

**Binding  
Site** 

**IMMUNOBIOLOGICAL  
REAGENTS  
PRODUCT LISTING**

July 09

THE BINDING SITE GROUP LTD.  
P.O. Box 11712  
Birmingham  
B14 4ZB  
United Kingdom  
Tel: +44 (0)121 436 1000  
Fax: +44 (0)121 430 7061  
info@bindingsite.co.uk

THE BINDING SITE INC.  
5889 Oberlin Drive, #101,  
San Diego  
CA 92121  
United States of America  
Tel: 858 453 9177  
Fax: 858 453 9189  
Toll Free: 800 633 4484  
info@thebindingsite.com

THE BINDING SITE GmbH  
Robert-Bosch-Str. 2A  
D-68723  
Schwetzigen  
Germany  
Tel: +49 (0)6202 9262 0  
Fax: +49 (0)6202 9262 222  
office@bindingsite.de

THE BINDING SITE FRANCE  
Centre Atoll  
14 rue des Glairaux  
BP 226  
38522 Saint Egrève  
France  
Tel: 04.38.02.19.19  
Fax: 04.38.02.19.20  
info@bindingsite.fr

THE BINDING SITE SPAIN  
Balmes 243 4º 3º  
08006 Barcelona  
Spain  
Tel: 902027750  
Fax: 902027752  
info@bindingsite.es

Binding Site is a British based company specialising in the research, development and production of immunodiagnostic kits and reagents. The Binding Site Group Ltd manufactures a wide range of high quality and innovative products used in clinical and research laboratories worldwide. The products included in this Product Listing are those which are found more often in a research environment than in a clinical laboratory.

The origins of the company go back to the early 1960's when antisera was produced to meet the needs of the Immunology Department within the University of Birmingham Medical School. The range of antisera produced was small but novel and of a very high quality, leading to requests for material from Immunology groups around the world. During the ensuing years the range of antisera grew rapidly and in the early 1980's a commercial immunodiagnostic company, Binding Site, was founded. Expertise in immunisation and processing techniques gained over the years within the university and further honed as a commercial company, have enabled Binding Site to become a primary antibody manufacturer of world class standing.

We still retain academic links with our university colleagues and the fruits of this collaboration are shared with our customers worldwide. This academic background, coupled with a highly professional scientific and manufacturing staff, result in the production of innovative new products and improved product performance. In 1992 we gained ISO9002 certification followed by ISO9001 in 1997. Currently we have certification for both ISO9001 and ISO13485, a specialist quality system specifically for *in vitro* diagnostics. These rigorous Quality Assurance procedures ensure that we provide products of only the highest standard.

Technical support is provided internationally by The Binding Site Group Ltd in the UK, The Binding Site Inc. in the USA and Canada, The Binding Site GmbH in Germany and Austria, The Binding Site France in France, The Binding Site Spain in Spain and a network of distributors in over 60 other countries.

Information is also available through our website:

[www.bindingsite.co.uk](http://www.bindingsite.co.uk)



ISO9001:2008  
Cert No. FM 552528  
ISO13485:2003  
Cert No. FM 73489

# IMMUNOBIOLOGICAL REAGENTS

## Product Listing

### Contents

### Page

Antisera - Human	4
Purified Proteins and Sera - Human	8
Immunological kits - Human	9
Immunological kits - Animal	10
Antisera - Animal	11
Miscellaneous Products	12

### Abbreviations

<b>IgG</b>	IgG fraction of host serum
<b>AFF</b>	Affinity purified
<b>IgG-Sp</b>	Species specific IgG fraction
<b>MIg</b>	Purified mouse monoclonal antibody
<b>FITC</b>	Fluorescein isothiocyanate conjugate
<b>FIX</b>	Immunofixation antibodies
<b>HRP</b>	Horseradish peroxidase conjugate
<b>BIOT</b>	Biotin conjugate
<b>RID</b>	Radial immunodiffusion kit
<b>EIA</b>	Enzyme immunoassay kit
<b>NANORID</b>	Latex enhanced RID for increased sensitivity
<b>Bv</b>	Bovine
<b>Hm</b>	Human
<b>Ms</b>	Mouse
<b>Rb</b>	Rabbit
<b>Rt</b>	Rat
<b>Spp</b>	Sera from species included in the range of species-specific antisera: chicken, turkey, horse, kangaroo, dog, cat, fish, rabbit, rat, pig, goat, sheep, deer, bovine, human, mouse.

### Applications

<b>IB</b>	Immunoblot
<b>WB</b>	Western blotting
<b>IEP</b>	Immuno-electrophoresis
<b>R</b>	Radial immunodiffusion
<b>D</b>	Ouchterlony double diffusion
<b>E</b>	Enzyme immunoassay
<b>CIEP</b>	Counter current immuno-electrophoresis
<b>IF</b>	Direct and / or indirect immunofluorescence
<b>IFE</b>	Immunofixation electrophoresis
<b>C</b>	Immunohistology (frozen sections/cytospin)

# ***PRODUCT INFORMATION***

## **POLYCLONAL ANTISERA and CONJUGATES**

**Binding Site produces a wide range of polyclonal antisera, the majority of which are raised in sheep. The unique immunisation protocol developed by Binding Site ensures the production of antisera of high avidity and specificity that are suitable for use in a variety of applications within the laboratory.**

### **ANTIBODY SPECIFICITY and IMMUNOGEN**

The antibody specificity stated in the catalogue generally describes the reactivity of the antibody within the species. For example, an antibody raised against human IgG (H+L) immunogen will react with all human immunoglobulins but no other human serum proteins. All antibodies are monospecific within a species however inter-species cross-reactions do occur due to the homology of the target antigen between species.

The immunogen used may be a native protein purified from tissue or fluid of the relevant species, or a recombinant protein. A number of antisera in this catalogue have been raised against multi-antigenic peptides. Copies of chemically synthesised peptides are attached to a non-immunogenic, branched lysine core and this structure is large enough to elicit an immune response without the need for conjugation to a carrier protein prior to immunisation. The resultant polyclonal antisera are high avidity with a degree of specificity normally only associated with monoclonal antibodies.

Immunogens are specified in this catalogue in the case of multi-antigenic peptides and for immunoglobulin reagents to ensure that the specificity of the antibody is clear.

### **ANTIBODY ADSORPTION**

In assays where the presence of serum proteins and immunoglobulins of other species is not relevant, unabsorbed antisera and conjugates can be used. If it is important that cross-reactivity with other species does not occur, affinity purified antisera and conjugates are recommended.

Solid phase adsorption of antisera against immunoglobulins of other species may decrease the potency and affinity of antisera and conjugates, therefore species adsorbed reagents should only be used where necessary. Species adsorbed reagents are indicated in the right hand column of each page in this catalogue.

(Please refer to page 1 for abbreviations.)

### **APPLICATIONS**

Different grades of antisera are produced to ensure that a product can be optimised for use in a particular application. The column headed "Use" provides a guideline for some of the different applications in which the reagents are quality control tested. This list is not comprehensive and reagents may be suitable for applications other than those listed.

### **CONJUGATES**

Many of the antisera are available conjugated to FITC, biotin or horseradish peroxidase. These conjugates are ideal for use in immunohistology, indirect immunofluorescence, immunoblotting and enzyme immunoassay systems. All conjugates are supplied as liquid reagents.

Binding Site offers a service for the custom conjugation of many of our standard antisera to FITC, biotin or horseradish peroxidase. There is a minimum order requirement and we recommend that quality control testing is discussed with a member of our technical staff to ensure that the final product is suitable for the intended application. Please contact your local representative for more information.

# **PRODUCT INFORMATION**

## **RADIAL IMMUNODIFFUSION (RID) KITS**

RID is a technique that was developed in the early 1960's and is still used routinely to measure the concentration of various soluble antigens (usually proteins) in biological fluids. The method involves antigen diffusing radially from a cylindrical well through an agarose gel containing an appropriate monospecific antibody. Antigen-antibody complexes are formed which will, under the right conditions, form a precipitin ring. The concentration of the antigen in an unknown sample is determined by measuring the diameter of the precipitin ring and reading the corresponding value from a calibration curve.

Binding Site kits are easy to use and most contain 3 RID plates, each with 14 pre-cut wells. Some specificities are available as one plate kits. A calibrator set or single high calibrator is provided in the kit and most kits also include control material.

BINDARID™ kits, based on conventional RID technology, are suitable for measuring protein concentrations down to approximately 5mg/ml. NANORID™ kits use a novel, patented RID technology to enable accurate quantitation of very low concentrations of protein in serum, urine, cerebrospinal fluid and other biological materials (*see pages 9 and 10 for details*).

### **sCD23**

CD23 is a type II integral membrane protein expressed on a wide range of cells including B lymphocytes, eosinophils, monocytes, platelets, activated macrophages and a proportion of follicular dendritic cells.

CD23 monoclonal antibody clone BU38 was presented at the 4<sup>th</sup> International Leucocyte Typing workshop and has been shown to be suitable for use in immunohistology and flow cytometry (*see page 5 for details*).

This antibody maps epitope B and recognises both surface bound CD23 and soluble CD23. It is a functionally active antibody and can be used successfully in functional assays.

## **SPECIES SPECIFIC ANTISERA**

Anti species antisera (product code prefix SP, format IgG-Sp) are raised using the whole serum from the relevant species as the immunogen. These antisera are extensively adsorbed against sera from other species to remove antibodies against common determinants, therefore after adsorption they will react with a limited number of serum proteins. These reagents are principally intended for use in the speciation of proteins in forensic medicine and food technology. They are supplied with guidelines for use in Ouchterlony double diffusion and counter current immunoelectrophoresis although they may also be suitable for other assay techniques.

*(Please refer to the abbreviations on page 1 for a list of the species included in this product line.)*

BINDARID and NANORID are trademarks of The Binding Site Ltd, Birmingham, UK.

## Anti - Human

Antibody Specificity	Immunogen	Host Species	Code	Format	Pack size	Use	Adsorbed against
II beta Hydroxysteroid dehydrogenase Type 1	MAP	Sheep	PC544	IgG	1mL	WB	
II beta Hydroxysteroid dehydrogenase Type 2	MAP	Sheep	PC545	IgG	1mL	WB	
$\alpha$ 1 Acid Glycoprotein (Orosomuroid)		Sheep	PC063	IgG	1mL	D,IEPR	
$\alpha$ 1 Antichymotrypsin		Sheep	PC033	IgG	1mL	D,IEPR	
$\alpha$ 1 Antitrypsin		Sheep	PC034 PP034	IgG HRP	1mL 1mL	D,IEPR C,E	
$\alpha$ 2 Glycoprotein (Histidine rich)		Sheep	PC120	IgG	1mL	D,IEPR	
$\alpha$ 2 HS Glycoprotein		Sheep	PC124	IgG	1mL	D,IEPR	
$\alpha$ 2 Macroglobulin		Sheep	PC039	IgG	1mL	D,IEPR	
Albumin		Sheep	PC032 PP032	IgG HRP	1mL 1mL	D,IEPR E	
Alkaline phosphatase (placental)		Sheep	PC121	IgG	1mL	WB	
Amylase (Pancreatic)		Sheep	PC083	IgG	1mL	D,IEP,WB	
Amylase (Salivary)		Sheep	PC041	IgG	1mL	D,IEP,WB	
Antithrombin III		Sheep	PC040	IgG	1mL	D,IEPR	
Apolipoprotein A1		Sheep	PC085 PP085	IgG HRP	1mL 1mL	D,IEPR E	
Apolipoprotein B		Sheep	PC086 PP086	IgG HRP	1mL 1mL	D,IEPR E	
$\beta$ 2 Microglobulin		Sheep	PC043	IgG	1mL	D,IEPR	
C1 Inactivator (C1 Esterase Inhibitor)		Sheep	PC019	IgG	1mL	D,IEPR	
C1q		Sheep	PC020	IgG	1mL	D,R	
C1r		Sheep	PC021	IgG	1mL	D,R	
C1s		Sheep	PC142	IgG	1mL	D,IEPR	
C3c		Sheep	PC023	IgG	1mL	D,IEPR	
C3		Sheep	PX023	FIX	1.4mL	IFE	
C3d		Sheep	PC024	IgG	1mL	D,IEP	
C4		Sheep	PC025	IgG	1mL	D,IEPR	
C4 Binding Protein		Sheep	PC026	IgG	1mL	D,IEP	
C5		Sheep	PC027	IgG	1mL	D,IEPR	
C6		Sheep	PC102	IgG	1mL	D,IEPR	
C7		Sheep	PC103	IgG	1mL	D,IEPR	
C8		Sheep	PC089	IgG	1mL	D,IEPR	
C9		Sheep	PC028	IgG	1mL	D,IEPR	

## Anti - Human

Antibody Specificity	Immunogen	Host Species	Code	Format	Pack size	Use	Adsorbed against
C-Reactive Protein (CRP)		Sheep	PC044	IgG	1mL	D,IEPR	
CD23 Isotype: IgG1, Clone BU38		Mouse	MC112	Mlg	0.2mg	C	
CD23		Sheep	PC557	IgG	1mL	E	
Caeruloplasmin		Sheep	PC045	IgG	1mL	D,IEPR	
Carbonic Anhydrase I		Sheep	PC046	IgG	1mL	WB	
Carbonic Anhydrase II		Sheep	PC076	IgG	1mL	WB	
Catalase		Sheep	PC136	IgG	1mL	WB	
Catalase (Bovine)		Sheep	PC080	IgG	1mL	WB	
Cathepsin B		Sheep	PC049	IgG	1mL	WB	
Cathepsin G		Sheep	PC050	IgG	1mL	WB	
Coagulation Factor V		Sheep	PC105	IgG	1mL	D,IEP,IB	
Coagulation Factor VII		Sheep	PC540	IgG	1mL	WB	
Coagulation Factor VIII Related Antigen (Von Willebrand Factor)		Sheep	PC054 PF054	IgG FITC	1mL 1mL	D,CIEP IF	
Coagulation Factor XI		Sheep	PC178	IgG	1mL	D,IEP	
Coagulation Factor XII		Sheep	PC179	IgG	1mL	D,IEP	
Elastase		Sheep	PC052	IgG	1mL	WB	
Factor B (C3b Proactivator)		Sheep	PC029	IgG	1mL	D,IEPR	
Factor D		Sheep	PC042	IgG	1mL	WB	
Factor H ( $\beta_1$ H)		Sheep	PC030	IgG	1mL	D,IEPR	
Factor I (KAF/C3b Inactivator)		Sheep	PC031	IgG	1mL	D,IEPR	
Ferritin		Sheep	PC055	IgG	1mL	WB	
Fibrinogen		Sheep	PC056 PX056	IgG FIX	1mL 1.4mL	D,IEPR IFE	
Fibronectin		Sheep	PC057	IgG	1mL	D,IEPR	
Glutathione Peroxidase		Sheep	PC097	IgG	1mL	WB	
Glutathione S Transferase P1 (GSTP1)		Sheep	PC081	IgG	1mL	WB	
Haptoglobin		Sheep	PC058	IgG	1mL	D,IEPR	
High molecular weight Kininogen		Sheep	PC115	IgG	1mL	D,IEPR	

## Anti - Human

Antibody Specificity	Immunogen	Host Species	Code	Format	Pack size	Use	Adsorbed against
Immunoglobulins (GAM)	IgG(H&L), IgA1, IgA2, IgM(Fc)	Sheep	PC002	IgG	1mL	D,IEP	
Immunoglobulins	IgG(H&L)	Sheep	PC003 AU003 AP003	IgG AFF HRP	1mL 2mg 1mL	D,IEP,R IB IB,E	Bv,Ms,Rt Bv,Ms,Rt
IgG ( $\gamma$ chain)	IgG ( $\gamma$ )	Sheep	PC004 PP004 AU004 AP004	IgG HRP AFF HRP	1mL 1mL 2mg 1mL	D,IEP,R E,C IB IB,E	Bv,Ms,Rt Bv,Ms,Rt Bv,Ms,Rt
IgG (Fc) Isotype: IgG1, Clone MK1A6		Mouse	MC001 MP001	Mlg HRP	0.2mg 0.2mL	E E,C	
IgG (Fd)		Sheep	PC075	IgG	1mL	D,IEP	
IgG1		Sheep	PC006 AU006 AF006 AP006	IgG AFF FITC HRP	1mL 0.5mg 1mL 1mL	D,IEP,R WB,E IF E,C	
IgG1 Isotype: IgG2a, Clone:8c/6-39		Mouse	MC003 MP003	Mlg HRP	0.2mg 0.2mL	E E,C	
IgG2		Sheep	PC007 AU007 AF007 AP007	IgG AFF FITC HRP	1mL 0.5mg 1mL 1mL	D,IEP,R WB,E IF E,C	
IgG2 Isotype: IgG1, Clone HP6014		Mouse	MC005 MP005	Mlg HRP	0.2mg 0.2mL	E E,C	
IgG3		Sheep	PC008 AU008 AF008 AP008	IgG AFF FITC HRP	1mL 0.5mg 1mL 1mL	D,IEP,R WB,E IF E,C	
IgG3 Isotype: IgG1, Clone HP6050		Mouse	MC006 MP006	Mlg HRP	0.2mg 0.2mL	E E,C	
IgG4		Sheep	PC009 AU009 AF009 AP009	IgG AFF FITC HRP	1mL 0.5mg 1mL 1mL	D,IEP,R WB,E IF E,C	
IgG4 Isotype: IgG1, Clone HP6025		Mouse	MC011 MP011	Mlg HRP	0.2mg 0.2mL	E E,C	
IgA ( $\alpha$ chain)		Sheep	PC010 AU010 AP010	IgG AFF HRP	1mL 2mg 1mL	D,IEP,R IB E,C	Bv,Ms,Rt Bv,Ms,Rt
IgA1		Sheep	AU087	AFF	0.5mg	D,E,IEP	
IgA2		Sheep	AU088	AFF	0.5mg	D,E,IEP	
IgA Secretory Piece		Sheep	PC011	IgG	1mL	D,IEP,R	
Secretory IgA (dimer)		Sheep	AU148	AFF	0.5mg	D,IEP	
IgM ( $\mu$ chain)		Sheep	PC012 AU012 AP012	IgG AFF HRP	1mL 2mg 1mL	D,IEP,R IB C,E	Bv,Ms,Rt Bv,Ms,Rt

## Anti - Human

Antibody Specificity	Immunogen	Host Species	Code	Format	Pack size	Use	Adsorbed against
IgD (δ chain)		Sheep	PC013 PX013	IgG FIX	1mL 1.4mL	D,IEPR IFE	
IgE (ε chain)		Sheep	PC014 AU014 AP014 PX014	IgG AFF HRP FIX	1mL 2mg 1mL 1.4mL	D,IEPR IB E IFE	
Inter α Trypsin Inhibitor		Sheep	PC060	IgG	1mL	D,IEPR	
Kappa Light Chain		Sheep	AU015 AF015 AP015	AFF FITC HRP	2mg 1mL 1mL	D,WB,E,IEP IF E,C	
Kappa Free Light Chain		Sheep	PX016	FIX	1.4mL	IFE	
Kappa (Free & Bound)		Sheep	PX015	FIX	1.4mL	IFE	
Lactate Dehydrogenase Isoenzyme I		Sheep	PC153	IgG	1mL	WB	
Lactate Dehydrogenase Isoenzyme V		Sheep	PC154	IgG	1mL	WB	
Lambda Light Chain		Sheep	AU017 AF017 AP017	AFF FITC HRP	2mg 1mL 1mL	D,WB,E,IEP IF E,C	
Lambda Free Light Chain		Sheep	PX018	FIX	1.4mL	IFE	
Lambda (Free & Bound)		Sheep	PX017	FIX	1.4mL	IFE	
Laminin		Sheep	PC128	IgG	1mL	IB	
Lipase		Sheep	PC125	IgG	1mL	WB	
Lysozyme		Sheep	PC073	IgG	1mL	D,IEP	
Matrix Metalloproteinase 1 (Collagenase I)		Sheep	PC166	IgG	1mL	WB	
Matrix Metalloproteinase 2 (Gelatinase A)		Sheep	PC158	IgG	1mL	WB	
Matrix Metalloproteinase 3 (Stromelysin I)		Sheep	PC112	IgG	1mL	WB	
Matrix Metalloproteinase 7 (Matrilysin)	Peptide	Sheep	PC553	IgG	1mL	WB	
Matrix Metalloproteinase 9 (Gelatinase B)		Sheep	PC163	IgG	1mL	WB	
Matrix Metalloproteinase 13 (Collagenase 3)	Peptide	Sheep	PC602	IgG	1mL	WB	
Matrix Metalloproteinase 13 (Recombinant)	Recombinant	Sheep	PC556	IgG	1mL	WB	
Matrix Metalloproteinase 14 (MTI-MMP)	MAP Protein	Sheep	PC554	IgG	1mL	WB	
Orosomucoid		Sheep	PC063	IgG	1mL	D,IEPR	
Pepsinogen II		Sheep	PC132	IgG	1mL	WB	
Phospholipase A2	MAP	Sheep	PC538	IgG	1mL	WB	
Plasminogen		Sheep	PC065	IgG	1mL	D,IEPR	
Prealbumin		Sheep	PC066	IgG	1mL	D,IEPR	
Prekallikrein		Sheep	PC523	IgG	1mL	D,IEPR	

## Anti - Human

Antibody Specificity	Immunogen	Host Species	Code	Format	Pack size	Use	Adsorbed against
Properdin		Sheep	PC116	IgG	1mL	D	
Prothrombin		Sheep	PC067	IgG	1mL	D,IEPR	
Protein S		Sheep	PC100	IgG	1mL	D,IEP	
Seminal Fluid		Sheep	PC119	IgG	1mL	D,IEP	
Superoxide Dismutase (Cu/Zn enzyme)		Sheep	PC077	IgG	1mL	WB	
Superoxide Dismutase (Mn enzyme)		Sheep	PC096	IgG	1mL	WB	
Tamm Horsfall Protein (Uromucoid)		Sheep	PC071	IgG	1mL	D,IEPR	
Tissue Plasminogen Activator		Sheep	PC150	IgG	1mL	WB	
Thyroxine Binding Globulin		Sheep	PC069	IgG	1mL	D,IEPR	
Transferrin		Sheep	PC070 PP070 PX070	IgG HRP FIX	1mL 1mL 1.4mL	D,IEPR E IFE	
Urokinase		Sheep	PC140	IgG	1mL	WB	
Uromucoid (Tamm Horsfall Protein)		Sheep	PC071	IgG	1mL	D,IEPR	
Vitronectin (S Protein)		Sheep	PC111	IgG	1mL	D,IEPR	
Von Willebrand Factor (Factor VIII related antigen)		Sheep	PC054 PF054	IgG FITC	1mL 1mL	D,CIEP IF	
Whole Serum		Sheep	PC072 SP072	IgG IgG-Sp	1mL 1mL	IEP D,CIEP	Spp except Human

## Purified Proteins and Sera - Human

Product Description	Pack size	Code
IgG1 Kappa Myeloma Serum	1mL	BP020
IgG1 Kappa Purified Protein	1mg	BP078
IgG2 Kappa Myeloma Serum	1mL	BP022
IgG2 Kappa Purified Protein	1mg	BP080
IgG3 Kappa Myeloma Serum	1mL	BP024
IgG3 Kappa Purified Protein	1mg	BP082
IgG4 Kappa Myeloma Serum	1mL	BP026
IgG4 Kappa Purified Protein	1mg	BP084
IgA1 Kappa Myeloma Serum	1mL	BP028
IgA1 Kappa Purified Protein	1mg	BP086

Product Description	Pack size	Code
IgM Kappa Waldenströms Serum	1mL	BP030
IgM Kappa Purified Protein	1mg	BP090
β2GPI - Purified > 97%	250µg	BP219
Polyclonal IgG - Purified	100mg	BP055
Pooled adult donor sera, (dialysed)	50mL	BP050

## Immunological Kits - Human

Antibody Specificity	Assay Range mg/L	Code
α1 Antitrypsin - NL RID	280 to 2800	RN034.3
Albumin - NL RID	5000 to 50000*	RN032.3
Albumin - ML RID	16 to 160	RL032.3
Antithrombin III - NL RID	50 to 500	RN040.3
β2 Microglobulin - EL <b>NANORID™</b>	1 to 10	GT043.3
CRP - EL <b>NANORID™</b>	5.2 to 52	GT044.3
Caeruloplasmin - NL RID	115 to 1150	RN045.3
Coag Factor XIII - NL <b>NANORID™</b>	3 to 30	GT113.3
C1 Inactivator - NL RID	45 to 450	RN019.3
C1 Inactivator Functional Activity Kit RID **		RC002.3
C1 Inactivator Functional Activity Combi RID Kit **		RK019
C1q - NL RID	23 to 230*	RN020.3
C2 - NL RID	3.6 to 36	RN022.3
C3 - NL RID	155 to 1550	RN023.3
C4 - NL RID	58 to 580	RN025.3
C4 Binding Protein - NL RID	50 to 500	RN026.3
C5 - NL RID	20 to 200	RN027.3
C6 - NL RID	12 to 120	RN102.3 RN102.1 ***
C7 - NL RID	22 to 110	RN103.3 RN103.1 ***
C8 - NL RID	20 to 200	RN089.3 RN089.1 ***
C9 - NL RID	50 to 500	RN028.3 RN028.1 ***
Factor B - NL RID**	45 to 450	RN029.3
Factor H (β1H) - NL RID	70 to 700	RN030.3 RN030.1 ***

\* Diluted sample applied - assay range may be extended using neat sample

\*\* Please enquire regarding availability in USA

Antibody Specificity	Assay Range mg/L	Code
Factor I - NL RID	7 to 70	RN031.1 ***
Fibrinogen - NL RID	450 to 4500	RN056.3
Fibronectin - NL RID	50 to 500	RN057.3
Haemolytic Complement RID Kit (total)	3 Plate 2 Plate 1 Plate	RC001.3 RC001.2 RC001.1
Haemolytic Complement RID Kit (Alternative Pathway)	3 Plate 1 Plate	RC003.3 RC003.1
Haptoglobin NL RID	190 to 1900	RN058.3
IgG - NL RID	2250 to 22500	RN004.3
IgG - ML RID	18 to 180	RL004.3
IgG - UL <b>NANORID™</b>	0.45 to 4.5	GL004.3
IgG1 - SD RID	1400 to 14000*	RN106.3
IgG2 - SD RID	800 to 8000*	RN107.3
IgG3 - SD RID	120 to 1200	RN108.3
IgG4 - SD RID	50 to 500	RN109.3
IgG Subclass Combi Kit - SD RID		RK021
VaccZyme™ Tetanus toxoid IgG EIA	0.01 to 7 IU/mL	MK010
Tetanus toxoid IgG1 EIA	0.67 to 54	MK011
Diphtheria IgG EIA	0.004 to 3.0 IU/mL	MK014
VaccZyme™ Diphtheria IgG EIA	0.012 to 3.0 IU/mL	MK114
VaccZyme™ PCP (Pneumococcus) IgG EIA	3.3 to 270	MK012
PCP (Pneumococcus) IgG2 EIA	1.1 to 90	MK013
VaccZyme™ Hib (Haemophilus influenzae type b) IgG EIA	0.11 to 9	MK016
IgA - NL RID	545 to 5450	RN010.3

\*\*\* 1 plate kit

VaccZyme™ is a trademark of The Binding Site Group Ltd, Birmingham, UK.

## Immunological Kits - Human

Antibody Specificity	Assay Range mg/L	Code
IgA - ML RID	8.5 to 85	RL010.3
IgA - UL <b>NANORID™</b>	0.43 to 4.3	GL010.3
IgA Subclass Combi RID Kit		RK015
IgM - NL RID	265 to 2650	RN012.3
IgM - ML <b>NANORID™</b>	7 to 70	GM012.3
IgM - UL <b>NANORID™</b>	0.35 to 3.5	GL012.3
IgG,A,M Combi Kit - NL RID		RK002
IgD - NL RID	5 to 50	RN013.3
Secretory IgA RID	45 to 450	RN148.3
Kappa Free and Bound - NL RID	1500 to 15000*	RN015.3
Kappa Free Light Chain - EL RID for urine samples	20 to 200	RE016.3
Kappa Free Light Chain - HL RID for urine samples	200 to 2000	RH016.3

Antibody Specificity	Assay Range mg/L	Code
Lambda Free and Bound - NL RID	825 to 8250*	RN017.3
Lambda Free Light Chain - EL RID for urine samples	20 to 200	RE018.3
Lambda Free Light Chain - HL RID for urine samples	200 to 2000	RH018.3
Lysozyme - NL <b>NANORID™</b>	2.1 to 21*	GT073.3
Plasminogen - NL RID	20 to 200	RN065.3
Prealbumin - NL RID	43 to 430	RN066.3
Protein C - NL <b>NANORID™</b>	0.5 to 5.0	GT118.3
Transferrin - NL RID	440 to 4400	RN070.3

## Immunological Kits - Animal

Antibody Specificity	Assay Range mg/L	Code
Bovine IgG - NL RID	5000 to 50000*	RN200.3
Bovine IgG - LL RID	50 to 500*	RL200.3
Bovine Albumin RID	100 to 1000	RN204.3
Mouse IgG - NL RID	1200 to 12000*	RN272.3
Mouse IgG - LL <b>NANORID™</b>	1 to 10	GT272.3
Mouse IgG1 - NL RID	300 to 3000*	RN273.3
Mouse IgG2a - NL RID	700 to 7000*	RN274.3
Mouse IgG2b - NL RID	100 to 1000*	RN275.3

Antibody Specificity	Assay Range mg/L	Code
Mouse IgG3 - NL RID	140 to 1400*	RN276.3
Mouse IgM - NL RID	50 to 500*	RN278.3
Mouse IgM - LL <b>NANORID™</b>	1 to 10	GT278.3

\* Diluted sample applied - assay range may be extended using neat sample

## *Anti - Animal*

Antibody Specificity	Immunogen	Host Species	Code	Format	Pack size	Use	Adsorbed against
Bovine Albumin		Sheep	PC204	IgG	1mL	D,IEP,R	
Bovine Immunoglobulins	Bovine IgG (H&L)	Sheep	PC200 PP200	IgG HRP	1mL 1mL	D,IEP,R E	
Bovine Whole Serum		Sheep	SP205	IgG-Sp	1mL	D,CIEP	Spp except Bovine
Cat Immunoglobulins	Cat IgG (H&L)	Sheep	PC210 PF210	IgG FITC	1mL 1mL	D,IEP,R IF	
Cat Whole Serum		Sheep	SP211	IgG-Sp	1mL	D,CIEP	Spp except Cat
Chicken Immunoglobulins	Chicken IgG (H&L)	Sheep	PC222	IgG	1mL	D,IEP,R	
Chicken Whole Serum		Sheep	SP221	IgG-Sp	1mL	D,CIEP	Spp except Chicken
Chicken/ Turkey Whole Serum		Sheep	SP223	IgG-Sp	1mL	D,CIEP	Ads vs Spp except Chicken, Turkey
Deer		Sheep	SP390	IgG-Sp	1mL	D,CIEP	Spp except Deer
Dog Immunoglobulins	Dog IgG (H&L)	Sheep	PC230 PF230	IgG FITC	1mL 1mL	D,IEP,R IF	
Dog Whole Serum		Sheep	SP232	IgG-Sp	1mL	D,CIEP	Spp except Dog
Fish Whole Serum		Sheep	SP415	IgG-Sp	1mL	D,CIEP	Spp except Fish
Goat/Sheep Immunoglobulins	Sheep IgG (H&L)	Donkey	AF360 AB360 AP360 PC360	FITC BIOT HRP IgG	1mL 1mL 1mL 1mL	IF WB,E WB,E D,IEP,R	Hm, Ms, Rb, Rt Hm, Ms, Rb, Rt Hm, Ms, Rb, Rt
Horse Immunoglobulins	Horse IgG (H&L)	Sheep	PC260 PF260	IgG FITC	1mL 1mL	D,IEP,R IF	
Horse Whole Serum		Sheep	SP264	IgG-Sp	1mL	D,CIEP	Spp except Horse
Kangaroo Whole Serum		Sheep	SP395	IgG-Sp	1mL	D,CIEP	Spp except Kangaroo
Mouse I $\alpha$ Hydroxylase	MAP	Sheep	PC290	IgG	1mL	WB	
Mouse Albumin		Sheep	PC281	IgG	1mL	IEP,D,R	
Mouse Immunoglobulins	Mouse IgG (H&L)	Sheep	AU271 AF271 AB271 AP271	AFF FITC BIOT HRP	2mg 1mL 1mL 1mL	D,IEP, IB,R IF WB,E WB,E	Bv, Hm, Rb Bv, Hm, Rb Bv, Hm, Rb Bv, Hm, Rb
Mouse IgG	Mouse IgG ( $\gamma$ )	Sheep	AU272 AP272	AFF HRP	2mg 1mL	D,IEP,IB,R WB, E	Bv, Hm, Rb Bv, Hm, Rb
Mouse IgG I		Sheep	AU273 AP273	AFF HRP	0.5mg 1mL	D,IEP,IB,R E	Bv, Hm, Rb Bv, Hm, Rb

## Anti - Animal

Antibody Specificity	Immunogen	Host Species	Code	Format	Pack size	Use	Adsorbed against
Mouse IgE	Mouse IgE (ε)	Sheep	PC284	IgG	1 mL	D,IEP	
Mouse/Rat Whole Serum		Sheep	SP282	IgG-Sp	1 mL	D,CIEP	Spp except Ms, Rt
Pig Immunoglobulins	Pig IgG (H&L)	Sheep	PC300	IgG	1 mL	D,IEPR	
Pig Whole Serum		Sheep	SP303	IgG-Sp	1 mL	D,CIEP	Spp except Pig
Rabbit Immunoglobulins	Rabbit IgG (H&L)	Sheep	AU311	AFF	2mg	IB	Bv,Hm,Ms,Rt
			AF311	FITC	1 mL	IF	Bv,Hm,Ms,Rt
			AB311	BIOT	1 mL	WB,E	Bv,Hm,Ms,Rt
			AP311	HRP	1 mL	WB,E	Bv,Hm,Ms,Rt
			PC311	IgG	1 mL	D,IEPR	
Rabbit Whole Serum		Sheep	SP319	IgG-Sp	1 mL	D,CIEP	Spp except Rabbit
Rat Albumin		Sheep	PC341	IgG	1 mL	D,IEPR	
Rat Immunoglobulins	Rat IgG (H&L)	Sheep	AU331	AFF	2mg	D,IEPR,IB	Bv,Hm,Rb
			AF331	FITC	1 mL	IF	Bv,Hm,Rb
			AB331	BIOT	1 mL	WB,E	Bv,Hm,Rb
			AP331	HRP	1 mL	WB,E	Bv,Hm,Rb
Sheep/Goat Immunoglobulins	Sheep IgG (H&L)	Donkey	AF360	FITC	1 mL	IF	Hm,Ms,Rb,Rt
			AB360	BIOT	1 mL	WB,E	Hm,Ms,Rb,Rt
			AP360	HRP	1 mL	WB,E	Hm,Ms,Rb,Rt
			PC360	IgG	1 mL	D,IEPR	
Turkey Whole Serum		Sheep	SP435	IgG-Sp	1 mL	D,CIEP	Spp except Turkey

## Miscellaneous

Product Description	Pack size	Code
IgG/RF Stripper <small>Please enquire regarding availability in U.S.A.</small>	10mL	IC050
Micro-Ouchterlony Plates	4 x 10 tests	IC010
Micropipette 1-5µl with 100 disposable capillaries	1 unit	AD041

Product Description	Pack size	Code
Jewellers Eye Piece	1 unit	AD040
RID Plates (unfilled)	10 plates	IC003.1
Digital RID Plate Reader*	1 unit	AD400

\*Universal fitting suitable for all voltage requirements is included

# Conditions of Sale

1. All orders are accepted subject to these conditions and no others shall apply.
2. (a) Payment of all goods sold, or services performed by us, shall be made within 30 days from the invoice month end.  
(b) All accounts not paid within this term will be subject to a surcharge of 5% plus a further 1.5% for each further months delay thereafter.
3. We reserve the right to charge carriage on any order.
4. We reserve the right to make an additional charge to cover any changes in transport, or import costs or exchange rates where applicable, occurring between the date of contract and the date of delivery.
5. Our liability for failure of goods, or services performed by us, is limited strictly to the value of the goods supplied or services performed and the purchaser shall not be entitled to any claim for damages for consequential loss on any contract between parties or in tort.
6. (a) We will endeavour to comply with any delivery date or period quoted, but we shall not be liable for any damage by reason of any failure to do so.  
(b) Without prejudice to any other available remedy we reserve the right to withhold further deliveries of goods where invoices are not paid by the due date for payment.
7. (a) We can only accept responsibility for goods damaged in transit if the damage is reported in writing to ourselves and to the carriers within seven days of delivery.  
(b) We cannot accept responsibility for non-delivery of goods unless written notice is given to ourselves and to our carriers within fourteen days after the invoice date.
8. (a) The risk in the goods shall pass to the buyer on delivery.  
(b) Until full payment has been received by us for all goods whatsoever supplied (and all services rendered) at any time by us to the buyer:
  - (i) Property in the goods shall remain in us.
  - (ii) Should the goods (or any of them) be converted into a new product, whether or not such conversion involves the ad-mixture of any other goods or thing whatsoever and in whatever proportions, the conversion shall be effected on behalf of us and we shall have the full legal and beneficial ownership of the new products, but without accepting liability for such converted goods in relation to any third party.
- (iii) Subject to (iv) and (v) below, the buyer shall be at liberty to sell the goods and the new products referred to in (ii) above in the ordinary course of business on the basis that the proceeds of sale shall belong to us to whom the buyer shall account.
- (iv) We may at any time revoke the buyer's power of sale by notice to the buyer if the buyer is in default for longer than seven days in the payment of any sum whatsoever due to us (whether in respect of the goods or any other goods supplied (for services rendered) at any time by us to the buyer or for any other reason whatsoever) or if we have bona fide doubts as to the solvency of the buyer.
- (v) The buyer's power of sale shall automatically cease if a Receiver is appointed over any of the assets or the undertaking of the buyer, or a winding-up order is made against the buyer, or the buyer goes into voluntary liquidation (otherwise than for the purpose of reconstruction or amalgamation) or cause a meeting of or makes any arrangement or composition with creditors or commits any act of bankruptcy, or allows distress to be levied against any of its or his goods.
- (vi) Upon determination of the buyer's power of sale under (iv) and (v) above, the buyer shall place the goods and the new products at our disposal and we shall be entitled using such force as is reasonably necessary to enter upon any premises of the buyer for the purpose of removing such goods and new products from the premises (including severance from the realty where necessary).
9. The Purchaser shall not assign this Order or any interest therein without the prior consent of The Binding Site Limited.
10. The construction validity and performance of this contract shall be governed by the Laws of England.

July 2009

## WITHIN THE UNITED KINGDOM



### DELIVERY

Orders received by 1pm, Monday to Thursday, will normally be dispatched by courier the same day. These are usually delivered on the next working day.

Orders received on Friday will normally be dispatched on the following Monday.

### CHARGES

All deliveries attract a £12.50 carriage charge.



[www.bindingsite.co.uk](http://www.bindingsite.co.uk)