



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

MOUSE ANTI HUMAN CD32

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-00619

Species
Human

Isotype
Mouse IgG1

Preparation

Immunogen: K562 cell line

Purification: Purified IgG prepared by affinity chromatography on Protein A

Fusion Partners: Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.

Specificity

DS-MB-00619 recognizes the human CD32 antigen, a 40kD glycoprotein that acts as a low affinity receptor for IgG (also known as Fc gamma RII). The antigen mediates several functions including endocytosis, activation of secretion, cytotoxicity and immunomodulation. CD32 is expressed by B cells, monocytes, granulocytes and platelets.

DS-MB-00619 blocks the binding of IgG to Fc gamma R11 (4).

Reacts with: Rhesus Monkey, Dog.

Antibody reactivity and working conditions may vary between species.

Formulation

Product Form: Purified IgG – liquid

Preservative & Stabilizers: 0.09% Sodium Azide

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Storage

18 months shelf life. Store at +4°C or at -20°C if preferred.

This product should be stored undiluted. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.

Please avoid freeze-thaw cycles.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Histology Positive Control Tissue

Lymph node

Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA			•	
Western Blotting			•	
Immunohistology - frozen	•			1:500-1:1000
Immunohistology - paraffin			•	
Immunohistology - resin			•	
Immunoprecipitation	•			20ug/ml
Flow Cytometry	•			20ug/ml Use 10ul of the suggested working dilution to label 10 ⁶ cells or cells or 100ul whole blood. Method sheets are available on request.
Immunofluorescence staining			•	
Neutralization			•	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

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Reference

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2. van den Herik-Oudijk, I. E. et al. (1994) Functional analysis of human Fc gamma RII (CD32) isoforms expressed in B lymphocytes. *J. Immunol.* 152: 574-585.
3. Lilliehook, I. et al. (1998) Expression of adhesion and Fc gamma - receptors on canine blood eosinophils and neutrophils studied by anti-human monoclonal antibodies. *Vet. Immunol. Immunopathol.* 61: 181-193.
4. Larsson, M. et al. (1997) Human dendritic cells handling of binding, uptake and degradation of free and IgG - immune complexed dinitrophenylated human serum albumin in vitro. *Immunology.* 90: 138-146.

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