



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Rat Anti-Mouse CD200:Biotin

Catalog No.
DS-MB-00457

Target Species
Mouse

Isotype
IgG2a

Preparation

Synonyms: MOX2

Purification: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Immunogen: Mouse CD200-rat CD4 fusion protein

Fusion Partners: Spleen cells from immunized rats were fused with cells of the rat Y3 myeloma cell line

Specificity

DS-MB-00457 recognizes the mouse CD200 cell surface antigen, also known as OX2.

CD200 is expressed by splenic B lymphocytes, follicular dendritic cells, splenic endothelium and by neurons.

Recent studies have suggested that the CD200 - CD200 ligand system is of importance in the control of macrophage and granulocyte activation.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG conjugated to Biotin - liquid

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.09% Sodium Azide (NaN₃), 1% Bovine Serum Albumin

Approx. Protein Concentrations: IgG concentration 0.1 mg/ml

Applications

Options	YES	NO	Not determined	Recommended Work dilution or concentration
Flow Cytometry	•			
Elisa			•	

Note: Other applications are not tested yet. Optimal dilutions should be determined.
(1) Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul.

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



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Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 18 months from date of dispatch.

References

1. Hoek, R.M. *et al.* (2000) Down-regulation of the macrophage lineage through interaction with OX2 (CD200). *Science* 290: 1768-1771.
2. Nathan, C. and Muller, W.A. (2001) Putting the brakes on innate immunity: a regulatory role for CD200. *Nature Immunology* 3: 17-19.
3. Broderick, C. *et al.* (2002) Constitutive retinal CD200 expression regulates resident microglia and activation state of inflammatory cells during Experimental Autoimmune Uveoretinitis. *Am. J. Pathol.* 161: 1699 - 1677.

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