



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Rat Anti-Mouse CD23: RPE

Catalog No.
DS-MB-03783

Target Species
Mouse

Isotype
IgG2a

Synonyms

FCER2A

Preparation

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

Immunogen: Fc epsilon R isolated from the 01.2B2 mouse B cell hybridoma.

Fusion Partners: Spleen cells from immunised Lou/m rats were fused with cells of the rat 1R983F myeloma cell line.

Specificity

DS-MB-03783 recognizes murine CD23, which is the 49kD low affinity Fc receptor for IgE (Fc epsilon RII). In the mouse, CD23 is primarily expressed on mature B lymphocytes including follicular dendritic cells. CD23 is known to play an important role in IgE binding but reports suggest that CD23 may also be involved in B-cell proliferation and differentiation.

DS-MB-03783 is reported to block the binding of IgE to Fc epsilon RII.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised

Reconstitution: Reconstitute in 0.25 ml distilled water

Preservatives & Stabilizers: 0.09% Sodium Azide, 1% Bovine Serum Albumin

Buffer Solution: Phosphate buffered saline pH7.4

Approx. Protein Concentrations: IgG concentration 0.1mg/ml

Storage

Store at +4°C. DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 18 months from date of dispatch.

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



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Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA			•	
Immunohistology - Frozen			•	
Immunohistology - Paraffin			•	
Immunohistology - Resin			•	
Flow Cytometry (1)	•			Neat – 1:5
Western Blotting			•	

**Note: Optimal dilutions should be determined by each laboratory for each application.
(1) Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul.**

References

1. Rao, M. et al. (1987) Characterization of a monoclonal antibody directed against the murine B lymphocyte receptor for IgE. *J. Immunol.* 138:1845 - 1851.
2. Maeda, K. et al. (1992) Murine follicular dendritic cells and low affinity Fc receptors for IgE (Fc epsilonRII). *J. Immunol.* 148:2340 – 2347.

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