



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-HUMAN CD1d

With HRP-Conjugated Secondary Antibody

Catalog No.
DS-MB-00452

Target Species
Human

Isotype
IgG1

Preparation

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

Immunogen: Beta G2 - CD1d fusion protein

Fusion Partners: Spleen cells from immunized mice were fused with cells of the NS0 mouse myeloma cell line.

Specificity

DS-MB-00452 recognizes the CD1d gene product, a 49kD heavy chain associated with Beta 2 microglobulin on cortical thymocytes. Beta 2 microglobulin independent expression of CD1d has also been demonstrated on human intestinal epithelial cells.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.09% Sodium Azide (NaN_3)

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Storage

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

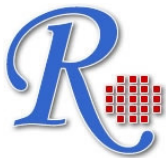
This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use

Shelf Life: 18 months from date of dispatch.

Reference

1. Bonish, B. et al. (2000) Over expression of CD1d by keratinocytes in Psoriasis and CD1d-dependent IFN gamma production by NK-T cells. J. Immunol. 165: 4076-4085.
2. Agea, E. et al. (2005) Human CD1-restricted T cell recognition of lipids from pollens. JEM. 202: 295-308.

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



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Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunohistology - Frozen	•			
Immunohistology - Paraffin		•		
Immunohistology - Resin			•	
Flow Cytometry			•	
Immunoprecipitation	•			
Western Blotting			•	
Elisa			•	

Note: 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)	•			1:2000-1:5000

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