



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet MOUSE ANTI HUMAN CD244:Biotin

Catalog No.
DS-MB-00534

Target Species
Human

Isotype
IgG1

Preparation

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

Immunogen: CD244 Fusion protein

Fusion Partners: Spleen cells from immunized Balb/c mice were fused with cells of the NS-1 myeloma cell line.

Specificity

DS-MB-00534 is specific for the CD244 cell surface antigen, also known as natural killer receptor 2B4 (NKG2B4).

The glycoprotein CD244 is a member of the SLAM family of receptors which is expressed on natural killer (NK) cells, gamma delta T cells, CD14+ monocytes, and a subset of CD8+ T cells.

CD244 was originally identified as an activating receptor on NK cells, although recent studies suggest that the receptor may have a wide range of activities including NK cell activation, costimulation, or even inhibition, depending on the cell type and stage of differentiation. The ligand of 2B4 is CD48, a GPI-anchored membrane protein also belonging to the SLAM family.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG conjugated to Biotin - liquid

Buffer Solution: Phosphate buffered saline pH7.4

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

Approx. Protein Concentrations: IgG concentration 0.1 mg/ml

Storage

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

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. 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.

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



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Reference

1. Romero, X. et al. (2005) CD229 (Ly5) lymphocyte cell surface receptor interacts homophilically through its N-terminal domain and relocalizes to the immunological synapse. *J. Immunol.* 174: 7033-7042.

Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Elisa			•	
Immunohistology - Paraffin			•	
Immunohistology - Frozen			•	
Immunohistology - Resin			•	
Western Blotting			•	
Immunoprecipitation			•	
Flow cytometry (1)	•			Neat

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.
(1) Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul. Method sheets are available on request

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