



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

RAT ANTI MOUSE CD107b

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-00261

Target Species
Mouse

Isotype
IgG1

Synonyms

LAMP-2

Preparation

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

Immunogen: Glycoproteins purified from mouse peritoneal macrophage membranes.

Fusion Partners: Spleen cells from immunized Lewis rats were fused with cells of the mouse P3-NSI/1-Ag4-1 myeloma cell line.

Specificity

DS-MB-00261 recognizes murine CD107b, also known as MAC-3 and LAMP-2. CD107b is a transmembrane glycoprotein that is associated with lysosomal membranes and is primarily expressed on mononuclear phagocytes. Expression of CD107b does vary between cell populations and the molecular weight of CD107b can vary between 92-120kD. Studies suggest that CD107b may be involved in leucocyte adhesion.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline pH7.4

Preservative Stabilizers: 0.09% Sodium Azide

Approx. Protein Concentrations: IgG concentration 1.0 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.**



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Reference

1. Springer, T.A. (1981) Monoclonal antibody analysis of complex biological systems. Combination of cell hybridization and immunoadsorbents in a novel cascade procedure and its application to the macrophage cell surface J. Biol. Chem. 256:3833-3839.
2. Flotte, T.J. et al. (1983) Dendritic cell and macrophage staining by monoclonal antibodies in tissue sections and epidermal sheets. Am. J. Pathol. 111:112-124.
3. Ho, M.K. and Springer, T.A. (1983) Tissue distribution, structural characterization and biosynthesis of Mac-3, a macrophage surface glycoprotein exhibiting molecular weight heterogeneity. J. Biol. Chem. 258:636-642.

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)	•			1:50 – 1:100

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

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5,000-1:10,000

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