



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 CD11b Mac-1 Integrin Alpha M beta 2

Biotin conjugated

Catalog No.
MD-11-0012

Species
Human

Isotype
IgG1

Preparation

Source: Cell culture
Immunogen: Synovial cells and human monocytes.
Purification: Protein G chromatography

Specificity

Recognizes the alpha subunit of the CD11b/CD18 complex, an alpha/Beta heterodimeric surface glycoprotein on human leukocytes (Mr 165-170 kDa)(1,2). The CD11b/CD18 antigen belongs to the beta2 integrin family. Other names include Mac-1, Cr3, MO-1 and C3bi receptor. The CD11b molecule functions as a receptor for C3bi complement, clotting factor X, fibrinogen and ICAM-1. The CD11b antigen is expressed on approximately 30% of human peripheral blood lymphocytes, most natural killer lymphocytes, circulating monocytes, granulocytes, a subset of T-cells and subsets of macrophages (1,2).

Formulation

Format: Biotin, Liquid
Concentration: 100ug/ml (OD280nm)
Affinity Constant: Not determined
Buffer: 0.01M PBS, pH 7.2, 1% BSA
Preservative: 0.09% Sodium Azide

Storage

Store at 2-8°C. **DO NOT FREEZE.**

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			.	
Western Blotting			.	
Immunohistology	.			Acetone fixed and frozen
Cell Adhesion	.			
Flow Cytometry	.			1 μ g to stain 1.0 x 10 ⁶ cells
Immunofluorescence Assay			.	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

References

- 1) Myones, B.L. et al (1988) J. Clin. Invest. 82:640.
- 2) Malhotra, V. et al (1986) Eur. J. Immunol. 16:1117.
- 3) Leucocyte Typing: 2nd Workshop: Code No. M104

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