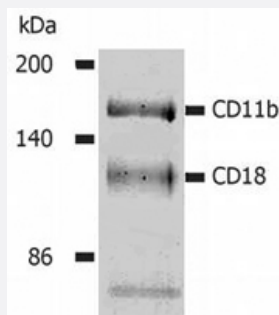


ITGAM monoclonal antibody, clone MEM-174

Catalog # MAB0877 Size 100 ug

Applications



Immunoprecipitation

Immunoprecipitation of human CD11b / CD18 heterodimer from the lysate of washed PBMC isolated from healthy donor. Lysate was subjected to affinity column chromatography using ITGAM monoclonal antibody, clone MEM - 174 (Cat # MAB0877) immunosorbent. Eluted immunoprecipitate was resolved on 7.5 % SDS - PAGE and stained with Coomassie Blue.

Specification

Product Description	Mouse monoclonal antibody raised against native ITGAM.
Immunogen	Native purified ITGAM from human granulocytes.
Host	Mouse
Theoretical MW (kDa)	165
Reactivity	Human
Specificity	This antibody recognizes CD11b antigen (Mac-1), a 165 KDa type I transmembrane protein mainly expressed on monocytes, granulocytes and NK-cells. The CD11b mediates neutrophil and monocyte interactions with stimulated endothelium.
Form	Liquid
Isotype	IgG2a
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)

Storage Instruction

Store at 4°C. Do not freeze.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunoprecipitation

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- Flow Cytometry

Gene Info — ITGAM

Entrez GeneID[3684](#)**Gene Name**

ITGAM

Gene Alias

CD11B, CR3A, MAC-1, MAC1A, MGC117044, MO1A, SLEB6

Gene Description

integrin, alpha M (complement component 3 receptor 3 subunit)

Omim ID[120980](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes the integrin alpha M chain. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This I-domain containing alpha integrin combines with the beta 2 chain (ITGB2) to form a leukocyte-specific integrin referred to as macrophage receptor 1 ('Mac-1'), or inactivated-C3b (iC3b) receptor 3 ('CR3'). The alpha M beta 2 integrin is important in the adherence of neutrophils and monocytes to stimulated endothelium, and also in the phagocytosis of complement coated particles. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

antigen CD11b (p170)|complement component receptor 3, alpha|integrin alpha M|macrophage antigen alpha polypeptide|neutrophil adherence receptor alpha-M subunit

Pathway

- [Cell adhesion molecules \(CAMs\)](#)

- [Hematopoietic cell lineage](#)
- [Leukocyte transendothelial migration](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Autoimmune Diseases](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Macular Degeneration](#)
- [Nephritis](#)
- [Stomach Ulcer](#)