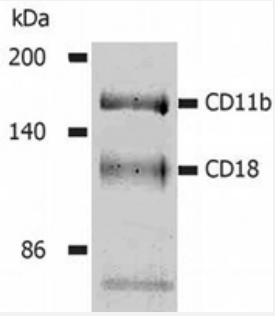
ITGAM monoclonal antibody, clone MEM-174

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 Coomasie 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 Itransmembrane protein mainly e xpressed on monocytes, granulocytes and NK-cells. The CD11b mediates neutrophil and monocyte i nteractions 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)

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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 shoul d be handled by trained staff only.

Applications

- Flow Cytometry
- 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 Coomasie Blue.

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 prot eins composed of an alpha chain and a beta chain. This I-domain containing alpha integrin combi nes 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 i mportant in the adherence of neutrophils and monocytes to stimulated endothelium, and also in th e phagocytosis of complement coated particles. Multiple transcript variants encoding different isof orms have been found for this gene. [provided by RefSeq
Other Designations	antigen CD11b (p170)|complement component receptor 3, alpha|integrin alpha M|macrophage a ntigen alpha polypeptide|neutrophil adherence receptor alpha-M subunit

Pathway

- Cell adhesion molecules (CAMs)

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- 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

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