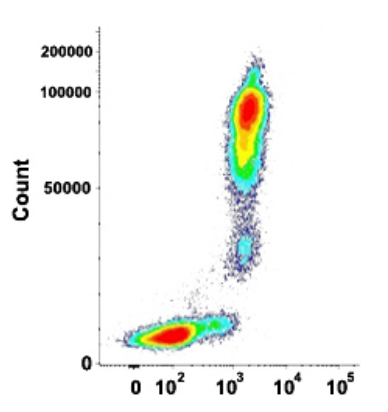
ITGAM monoclonal antibody, clone DCIS1/18 (FITC)

Catalog # MAB13796 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of human peripheral blood lymphocytes with ITGAM monoclonal antibody, clone DCIS1/18 (FITC) (Cat # MAB13796).

Specification

Product Description	Mouse monoclonal antibody raised against human ITGAM.
Immunogen	Dendritic cells derived from human monocytes.
Host	Mouse
Theoretical MW (kDa)	165, 95
Reactivity	Human
Form	Liquid
Conjugation	FITC
Purification	Protein A/G purification
Purity	>90%
Isotype	IgG2a

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Recommend Usage	Flow Cytometry (20 uL/10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (protein stabilizer, 0.09% sodium azide).
Storage Instruction	Store in the dark at 4°C. Avoid prolonged exposure to light.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Flow Cytometry

  Flow cytometric analysis of human peripheral blood lymphocytes with ITGAM monoclonal antibody, clone DCIS1/18 (FITC) (Cat # MAB13796).

Gene Info — ITGAM

Entrez GeneID	3684
Protein Accession#	P11215
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

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- 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

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