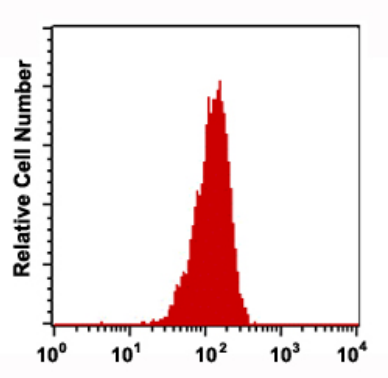
ITGAM monoclonal antibody, clone 4AM216 (FITC)

Catalog # MAB12387 Size 50 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of human peripheral blood granulocytes reacted with ITGAM monoclonal antibody, clone 4AM216 (FITC) (Cat # MAB12387).

Specification

Product Description	Mouse monoclonal antibody raised against human ITGAM.
Immunogen	ITGAM
Host	Mouse
Reactivity	Human
Form	Liquid
Conjugation	FITC
Purification	Protein A/G affinity chromatography
Isotype	IgG1
Recommend Usage	Flow cytometry Immunofluorescence The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide, 0.2% BSA)

Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence
- Flow Cytometry

  Flow cytometric analysis of human peripheral blood granulocytes reacted with ITGAM monoclonal antibody, clone 4AM216 (FITC) (Cat # MAB12387).

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)
- 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