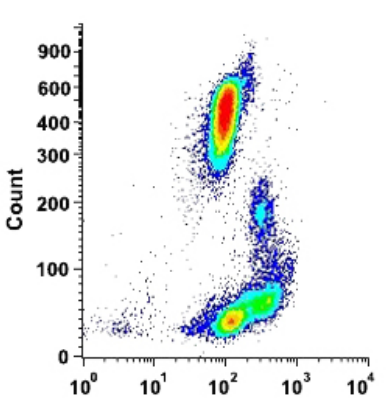
ITGAL monoclonal antibody, clone TP1/40 (FITC)

Catalog # MAB13784 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of human peripheral blood lymphocytes with ITGAL monoclonal antibody, clone TP1/40 (FITC) (Cat # MAB13784).

Specification

Product Description	Mouse monoclonal antibody raised against human ITGAL.
Immunogen	PMA and Ionomycin activated human T cells blast.
Host	Mouse
Theoretical MW (kDa)	180
Reactivity	Human
Form	Liquid
Conjugation	FITC
Purification	Protein A/G purification
Purity	>90%
Isotype	IgG1

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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 ITGAL monoclonal antibody, clone TP1/40 (FITC) (Cat # MAB13784).

Gene Info — ITGAL

Entrez GeneID	3683
Protein Accession#	P20701
Gene Name	ITGAL
Gene Alias	CD11A, LFA-1, LFA1A
Gene Description	integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polype ptide)
Omim ID	153370
Gene Ontology	Hyperlink
Gene Summary	ITGAL encodes the integrin alpha L chain. Integrins are heterodimeric integral membrane protein s composed of an alpha chain and a beta chain. This I-domain containing alpha integrin combine s with the beta 2 chain (ITGB2) to form the integrin lymphocyte function-associated antigen-1 (LF A-1), which is expressed on all leukocytes. LFA-1 plays a central role in leukocyte intercellular adh esion through interactions with its ligands, ICAMs 1-3 (intercellular adhesion molecules 1 through 3), and also functions in lymphocyte costimulatory signaling. Two transcript variants encoding diffe rent isoforms have been found for this gene. [provided by RefSeq
Other Designations	LFA-1 alpha|antigen CD11A (p180), lymphocyte function-associated antigen 1, alpha polypeptide |integrin alpha L|integrin gene promoter|lymphocyte function-associated antigen 1

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Pathway

- Cell adhesion molecules (CAMs)
- Leukocyte transendothelial migration
- Natural killer cell mediated cytotoxicity
- Regulation of actin cytoskeleton

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Helicobacter Infections
- Stomach Ulcer

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