Datasheet for ABIN135680

anti-ITGAL antibody

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Overview

Quantity:	0.1 mg
Target:	ITGAL
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ITGAL antibody is un-conjugated
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Fibronectin purified monocytes
Clone:	38
Isotype:	IgG2a
Specificity:	Human CD11a, Mr 180 kDa
Characteristics:	Mouse Anti-Human CD11a-UNLB
Purification:	Purified

Target Details

Target:	ITGAL
Alternative Name:	CD11a (ITGAL Products)
Background:	CD11a, also known as leukocyte function-associated antigen-1 (LFA-1), represents the 180 kDa

Target Details

	integrin L subunit which combines with the CD18 2 integrin subunit to form the L2 integrin heterodimer. It is expressed on lymphocytes, granulocytes, monocytes, and macrophages and is upregulated on activated T cells. CD11a/LFA-1 mediates adhesion of lymphocytes to vascular endothelium and is involved in costimulation.
Pathways:	Activated T Cell Proliferation, Integrin Complex

Application Details

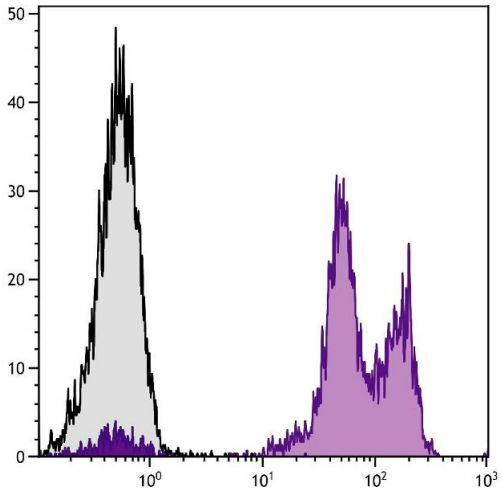
Application Notes:	• **Applications:** FC - Quality tested , IHC-FS - Reported in literature , IP - Reported in literature , Block - Reported in literature , Adhesion - Reported in literature , ELISA - Reported in literature • **Working Dilutions:** Flow Cytometry Purified (UNLB) antibody 1 g/106 cells FITC, BIOT, PE, APC, and SPRD conjugates 10 L/106 cells For flow cytometry, the suggested use of these reagents is in a final volume of 100 L
Comment:	Blocking studies, cell adhesion, cytotoxicity
Sample Volume:	1 mL
Restrictions:	For Research Use only

Handling

Concentration:	0.1 mg/mL
Buffer:	0.1 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added
Preservative:	Without preservative
Handling Advice:	Each reagent is stable for the period shown on the bottle label if stored as directed.
Storage:	4 °C
Storage Comment:	Store at 2-8°C

Publications

Product cited in:	Jung, Zhou, Iden, Bischoff, Qu: "T cell stiffness is enhanced upon formation of immunological synapse." in: **eLife**, Vol. 10, (2021) (PubMed).



Flow Cytometry

Image 1. Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD11a-PE.