Datasheet for ABIN7077130

anti-FCGR2B antibody (Extracellular Domain) (FITC)

1 Image

Go to Product page

Overview

Quantity:	100 tests
Target:	FCGR2B
Binding Specificity:	Extracellular Domain
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FCGR2B antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant human FcgammaRIIb/c (CD32b) extracellular domain
Clone:	4F5
Isotype:	IgG1 kappa
Characteristics:	The clone 4F5, a mouse monoclonal antibody recognizes anti- FcγRIIb, a cell surface protein also known as CD32b. FcγRII has two major isoforms named FcγRIIa and FcγRIIb with high degree of homology. The clone 4F5 selectively reacts with FcγRIIb but not with FcγRIIa. The CD32b antigen is widely expressed on the cell surface of circulating B lymphocytes, monocytes, neutrophils, myeloid dendritic cells (DCs), platelets and at very low levels on plasmacytoid DCs. FcγRs (FcγRI/CD64, FcγRII/CD32, FcγRIII/CD16, and FcγRIV/CD16-2) play important roles in inflammatory cell activation, clearance, presentation of Ag, and maintenance of IgG homeostasis. Published reports claimed that 4F5 partially blocks the ligand-binding of FcRIIb

Product Details

	and mediates an inhibitory signal by co-cross-linking FcRIIb with activating FcRs. Clone 4F5 supports study of the expression, regulation, and function of FcγRIIb and may be useful in the area of therapeutic applications where the modulation of FcγRIIb is required.
Purification:	Purified
Purity:	>95 %
Grade:	GMP Grade

Target Details

Target:	FCGR2B
Alternative Name:	CD32b (FCGR2B Products)
Background:	The clone 4F5, a mouse monoclonal antibody recognizes anti- FcγRIIb, a cell surface protein also known as CD32b. FcγRII has two major isoforms named FcγRIIa and FcγRIIb with high degree of homology. The clone 4F5 selectively reacts with FcγRIIb but not with FcγRIIa. The CD32b antigen is widely expressed on the cell surface of circulating B lymphocytes, monocytes, neutrophils, myeloid dendritic cells (DCs), platelets and at very low levels on plasmacytoid DCs. FcγRs (FcγRI/CD64, FcγRII/CD32, FcγRIII/CD16, and FcγRIV/CD16-2) play important roles in inflammatory cell activation, clearance, presentation of Ag, and maintenance of IgG homeostasis. Published reports claimed that 4F5 partially blocks the ligand-binding of FcRIIb and mediates an inhibitory signal by co-cross-linking FcRIIb with activating FcRs. Clone 4F5 supports study of the expression, regulation, and function of FcγRIIb and may be useful in the area of therapeutic applications where the modulation of FcγRIIb is required.
Gene ID:	2213
UniProt:	P31994
Pathways:	Cellular Response to Molecule of Bacterial Origin, Regulation of Leukocyte Mediated Immunity, Production of Molecular Mediator of Immune Response, BCR Signaling

Application Details

Restrictions:	For Research Use only

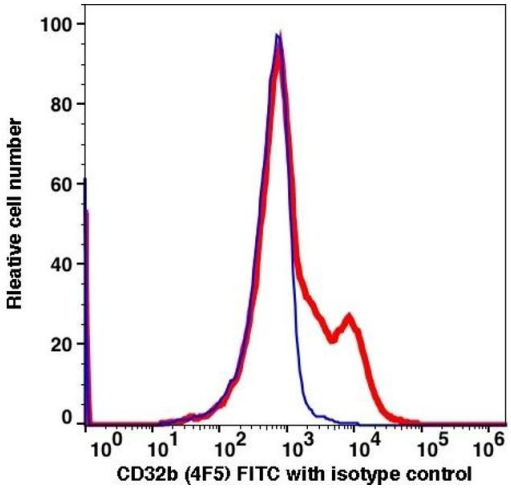
Handling

Format:	Liquid

Handling

Buffer:	PBS pH 7.2, 0.2 % (w/v) BSA, 0.09 % (w/v) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C

Images



Flow Cytometry

Image 1.