Datasheet for ABIN6939375

anti-FCGR2A antibody

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Overview

Quantity:	100 µg
Target:	FCGR2A
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FCGR2A antibody is un-conjugated
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Functional Studies (Func)

Product Details

Immunogen:	K562 and FcgRII+L cells
Clone:	7-3
Isotype:	IgG1 kappa
Specificity:	This MAb reacts with a CD32 (FcgRII) epitope (cluster-4). It displays a stronger reaction with Daudi than with U937 cells. The epitope is located in domain 2 of FcgRIIa. Its Fab'2 fragments block immune complex binding. CD32 (FcRII) is a type 1 transmembrane glycoprotein that mediates several functions including phagocytosis, cytotoxicity, and immunomodulation as well as platelet aggregation. Three genes (A, B, and C) encode CD32 and at least 6 isoforms are generated via alternative mRNA splicing, i.e., IIa1, IIa2, IIb1, IIb2, IIb3 and IIc. Monocytes/macrophages, placental trophoblasts and endothelial cells express all isoforms. In addition, the IIb isoform is expressed by B cells, and the IIa isoform by platelets, granulocytes and, weakly, by B cells. NK cells and neutrophils express Isoform IIc. CD32 binds weakly to the Fc region of monomeric IgG but more strongly to IgG aggregates and immune complexes.

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Product Details

Purification:	Purified by Protein A/G

Target Details

Target:	FCGR2A
Alternative Name:	FCGR2A (FCGR2A Products)
Molecular Weight:	40kDa
Gene ID:	2212
UniProt:	P12318

Application Details

Application Notes:	Positive Control: K-562 cells. Lymph node, tonsil and placenta. Known Application: Functional Studies (Order Ab without BSA & Azide)Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % 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,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

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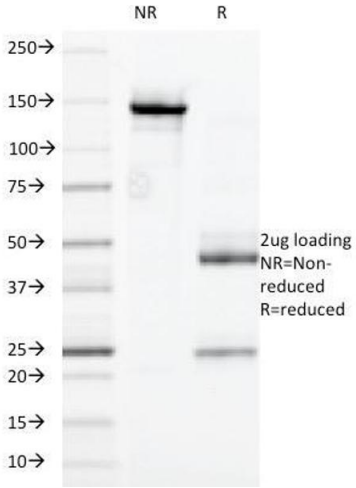

SDS-PAGE

Image 1. SDS-PAGE Analysis Purified CD32 Mouse Monoclonal Antibody (7.30). Confirmation of Purity and Integrity of Antibody.

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