



## Datasheet for ABIN6939375 anti-FCGR2A antibody



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### 1 Image

#### 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:	<p>This MAbs reacts with a CD32 (FcγRII) epitope (cluster-4). It displays a stronger reaction with Daudi than with U937 cells. The epitope is located in domain 2 of FcγRIIIa. 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.</p> <p>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.</p>

## Product Details

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Purification: Purified by Protein A/G

## Target Details

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Target: FCGR2A

Alternative Name: FCGR2A ([FCGR2A Products](#))

Molecular Weight: 40kDa

Gene ID: 2212

UniProt: [P12318](#)

## Application Details

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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

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Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

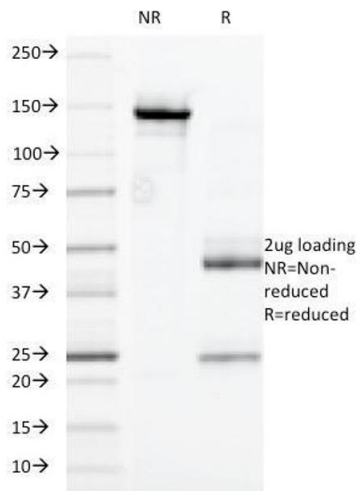
Preservative: Sodium azide

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



### SDS-PAGE

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