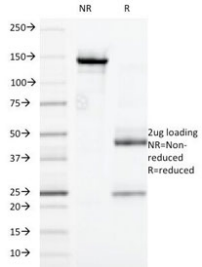
CD32 Antibody / FCGR2A [clone 7.3] (V2495)

Catalog No.	Formulation	Size
V2495-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2495-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2495SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Citations (5)

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	7.3
Purity	Protein G affinity chromatography
UniProt	P12318
Localization	Cytoplasm, plasma membrane
Applications	Functional Studies (order BSA/sodium Azide-free Format) : Immunofluorescence : 0.5-1ug/ml
Limitations	This CD32 antibody is available for research use only.



SDS-PAGE Analysis of Purified, BSA-Free CD32 Antibody (clone 7.3). Confirmation of Integrity and Purity of the Antibody.

Description

This CD32 Antibody clone 7.3 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 (FcgRII) 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.

Researchers studying Fc receptor signaling, immune complex recognition, and leukocyte activation pathways may also benefit from the CD32 Antibody / Low-Affinity Fc Gamma Receptor page featuring western blot, immunohistochemistry, immunofluorescence, and flow cytometry validation data for endogenous FCGR2 detection.

Application Notes

Optimal dilution of the CD32 antibody should be determined by the researcher.

Immunogen

K562 and FcgRII+L cells were used as the immunogen for the CD32 antibody.

Storage

Store the CD32 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).