

## CD32 Antibody / FCGR2A [clone 7.3] (V2495)

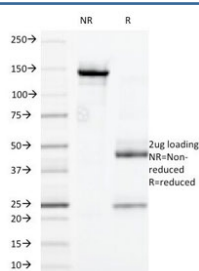
Catalog No.	Formulation	Size
V2495-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2495-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2495SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug



Citations (5)

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<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	7.3
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P12318
<b>Localization</b>	Cytoplasm, plasma membrane
<b>Applications</b>	Functional Studies (order BSA/sodium Azide-free Format) : Immunofluorescence : 0.5-1ug/ml
<b>Limitations</b>	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 mAb 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 FcγRIIa. Its Fab'2 fragments block immune complex binding. CD32 (FcγRII) 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.

## Application Notes

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

## Immunogen

K562 and FcγRII+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).