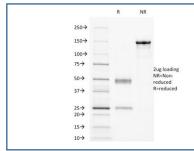


# CD32 Antibody / FCGR2A [clone 8.7] (V2496)

Catalog No.	Formulation	Size
V2496-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2496-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2496SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

## **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	8.7
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 8.7). Confirmation of Integrity and Purity of the Antibody.

## **Description**

This mAb reacts with a CD32 (FcgRII) epitope distinct from that defined by mAb 8.26 and the epitope overlaps with that of

mAb 7.30 (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.

#### **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).