

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

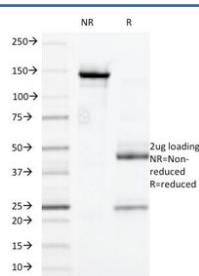
| Catalog No.    | Formulation  | Size   |
|----------------|--|--------|
| V2495-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V2495-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug  |
| V2495SAF-100UG | 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) :<br>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 (Fc<sub>g</sub>RII) epitope (cluster-4). It displays a stronger reaction with Daudi than with U937 cells. The epitope is located in domain 2 of Fc<sub>g</sub>RIIa. Its Fab'2 fragments block immune complex binding. CD32 (Fc<sub>g</sub>RII) 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 Fc<sub>g</sub>RII+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).