

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

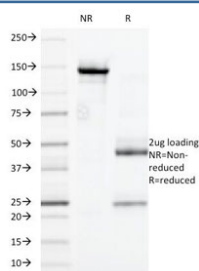
| Catalog No.    | Formulation                                                                | Size   |
|----------------|----------------------------------------------------------------------------|--------|
| V2495-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 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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|                    |                                                                                              |
|--------------------|----------------------------------------------------------------------------------------------|
| Availability       | 1-3 business days                                                                            |
| Species Reactivity | Human                                                                                        |
| Format             | Purified                                                                                     |
| 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) :<br>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 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 FcγRIIIa. 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 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).