

## CD32 Antibody [clone FCGR2A/479] (V7769)

Catalog No.	Formulation	Size
V7769-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7769-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7769SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b, kappa
<b>Clone Name</b>	FCGR2A/479
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P12318
<b>Applications</b>	Flow Cytometry : 1-2ug/10 <sup>6</sup> cells in 0.1ml
<b>Limitations</b>	This CD32 antibody is available for research use only.



### Description

This CD32 antibody binds most strongly to the IIa isoforms of CD32 (FcRII), 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

Recombinant human protein was 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).