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

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	FCGR2A/479
Purity	Protein G affinity chromatography
UniProt	P12318
Applications	Flow cytometry: 1-2ug/10^6 cells in 0.1ml
Limitations	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.

Researchers studying Fc receptor signaling, immune complex recognition, and leukocyte activation pathways may also benefit from the CD32 Antibody / Low-Affinity Fc Gamma Receptor page featuring western blot, immunohistochemistry, immunofluorescence, and flow cytometry validation data for endogenous FCGR2 detection.

Application Notes

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

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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).

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