

36-2280: Anti-CD32 (Fc Gamma RIIa) Monoclonal Antibody(Clone: FCGR2A/479)

Clonality :	Monoclonal
Clone Name :	FCGR2A/479
Application :	Functional Assay,FACS,IF
Reactivity :	Human
Gene :	FCGR2A
Gene ID :	2212
Uniprot ID :	P12318
Alternative Name :	CD32A; Fc fragment of IgG low affinity IIa receptor; Fc gamma RIIa; FCGR2A; FcγRII; IGFR2; IgG Fc receptor II-a; Low affinity immunoglobulin gamma Fc region receptor II-a; Ly-17; Ly-m20; LyM-1; Lymphocyte antigen 17
Isotype :	Mouse IgG2b, kappa
Immunogen Information :	Recombinant human FCGR2A protein

Description

This MAb 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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Functional Studies (Order Ab without BSA & Azide); Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);

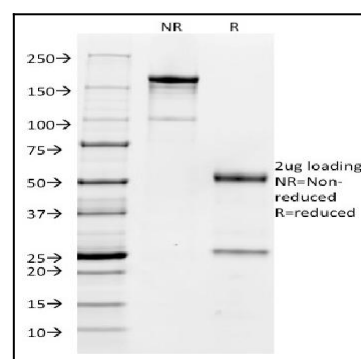


Fig. 1: SDS-PAGE Analysis Purified CD32 Mouse Monoclonal Antibody (FCGR2A/479). Confirmation of Purity and Integrity of Antibody.