

For Research Use Only

FCGR3A/CD16a Polyclonal antibody

Catalog Number: 30356-1-AP



Basic Information

Catalog Number: 30356-1-AP	GenBank Accession Number: BC036723	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 2214	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	ENSEMBL Gene ID: ENSG00000203747	
Isotype: IgG	UNIPROT ID: P08637	
Immunogen Catalog Number: AG1281	Full Name: Fc fragment of IgG, low affinity IIIa, receptor (CD16a)	
	Calculated MW: 29 kDa	
	Observed MW: 65-70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HL-60 cells, Jurkat cells
Species Specificity: Human	

Background Information

CD16 is a low affinity Fc receptor. It has been identified as Fc receptors Fc γ RIIIa (CD16a) and Fc γ RIIIb (CD16b), encoded by two nearly identical genes, FCGR3A and the FCGR3B. In humans, Fc γ RIIIa/CD16a is a type I transmembrane receptor expressed on macrophages and NK cells. Fc γ RIIIb/CD16b is a GPI-linked Fc-receptor highly expressed on neutrophils. The two proteins differ by only four amino acid residues in the mature proteins (PMID: 30361439). FCGR3A has a calculated molecular weight of 29 kDa, with an apparent molecular weight of 50-80 kDa due to extensive glycosylation (PMID: 30655272; PMID: 27914599). The antibody is specific for FCGR3A/CD16a.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

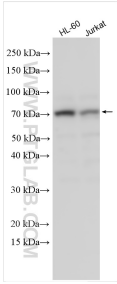
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30356-1-AP (FCGR3A/CD16a antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.