

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: 150ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 2214	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	Full Name: Fc fragment of IgG, low affinity IIIa, receptor (CD16a)	
Isotype: IgG	Calculated MW: 29 kDa	
Immunogen Catalog Number: AG1281	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 FcγRIIIa (CD16a) and FcγRIIIb (CD16b), encoded by two nearly identical genes, FCGR3A and the FCGR3B. In humans, FcγRIIIa/CD16a is a type I transmembrane receptor expressed on macrophages and NK cells. FcγRIIIb/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

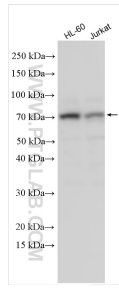
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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.