

For Research Use Only

FCGR3B/CD16b Polyclonal antibody

Catalog Number: 30201-1-AP



Basic Information

Catalog Number: 30201-1-AP	GenBank Accession Number: NM_000570	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 900 ug/ml by Nanodrop;	GeneID (NCBI): 2215	Recommended Dilutions: WB 1:500-1:3000 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: O75015	
Isotype: IgG	Full Name: Fc fragment of IgG, low affinity IIIb, receptor (CD16b)	
	Calculated MW: 26 kDa	
	Observed MW: 55 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: Human, rat	WB : Raji cells, U-937 cells, rat spleen tissue IF/ICC : A549 cells,

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). FCGR3B/CD16b can be detected as 26 kDa (PMID: 34108956; 36096917) and 50-75 kDa (PMID: 30655272; 18208407). The antibody is specific for FCGR3B/CD16b.

Storage

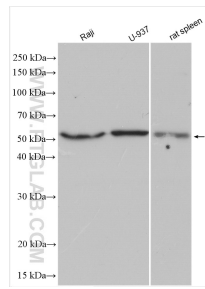
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

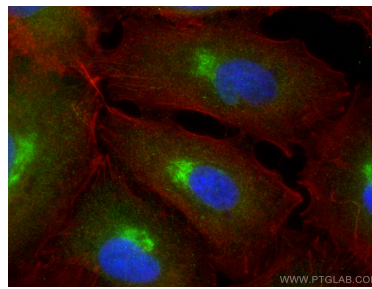
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 30201-1-AP (FCGR3B/CD16b antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using FCGR3B/CD16b antibody (30201-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).