

For Research Use Only

CD16 Recombinant antibody, PBS Only

Catalog Number: 83110-1-PBS



Basic Information

Catalog Number: 83110-1-PBS	GenBank Accession Number: BC017865	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 2214	CloneNo.: 230337G12
Source: Rabbit	ENSEMBL Gene ID: ENSG00000203747	
Isotype: IgG	UNIPROT ID: P08637	
	Full Name: Fc fragment of IgG, low affinity IIIa, receptor (CD16a)	
	Calculated MW: 254 aa, 29 kDa	
	Observed MW: 55 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

CD16 is a 50-70-kDa low affinity Fc receptor found on the surface of natural killer cells, neutrophil polymorphonuclear leukocytes, monocytes and macrophages. CD16 mediates antibody-dependent cellular cytotoxicity (ADCC) and other antibody-dependent responses, such as phagocytosis. CD16 has been identified as Fc receptors FcγRIIIa (CD16a) and FcγRIIIb (CD16b), encoded by two nearly identical genes, FCGR3A and FCGR3B.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

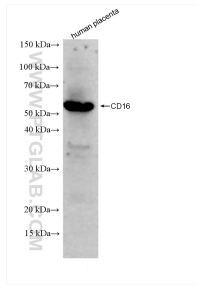
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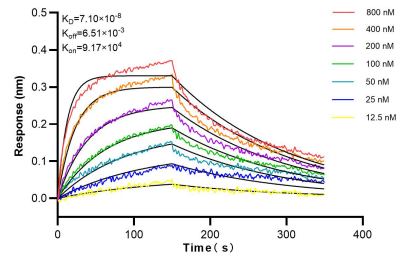
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



human placenta tissue was subjected to SDS PAGE followed by western blot with 83110-1-RR (CD16 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83110-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83110-1-RR against Human CD16 were performed. The affinity constant is 71 nM.