

CD16 Recombinant monoclonal antibody

Catalog Number: 83110-2-RR

Basic Information

Catalog Number: 83110-2-RR	GenBank Accession Number: BC017865	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 2214	CloneNo.: 230337A4
Isotype: IgG	ENSEMBL Gene ID: ENSG00000203747	Recommended Dilutions: WB: 1:2000-1:10000 IHC: 1:1000-1:4000
Immunogen Catalog Number: EG31662	UNIPROT ID: P08637	
	Full Name: Fc fragment of IgG, low affinity IIIa, receptor (CD16a)	
	Calculated MW: 254 aa, 29 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB : human placenta tissue, Recombinant protein
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human tonsillitis tissue,

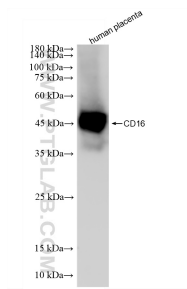
Background Information

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 Fc γ RIIIa (CD16a) and Fc γ RIIIb (CD16b), encoded by two nearly identical genes, FCGR3A and FCGR3B.

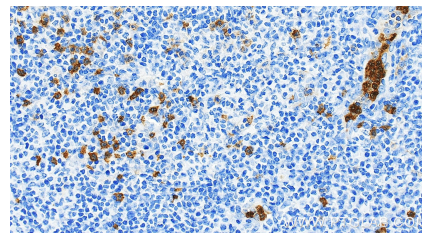
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 83110-2-RR (CD16 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 83110-2-RR (CD16 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).