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CD16 Protein (CD16) (His tag)





Overview

Quantity:	100 μg
Target:	CD16
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD16 protein is labelled with His tag.

Product Details

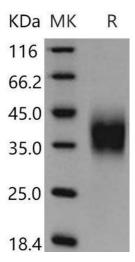
Purpose:	Recombinant Mouse CD16 Protein (His Tag)(Active)
Sequence:	Met 1-Thr 215
Characteristics:	A DNA sequence encoding the mouse FCGR3 (P08508-1) extracellular domain (Met 1-Thr 215) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA.Immobilized mouse FCGR3-His at 10 μ g/ml (100 μ l/well) can bind biotinylated human IgG1The EC50 of biotinylated human IgG1 is 0.12-0.28 μ g/ml.

Target Details

Target:	CD16	

Target Details

Alternative Name:	CD16 (CD16 Products)
Background:	Background: Fc receptors bind the most common class of antibody, IgG, are called Fc gamma
	receptors (Fc γ R). Fc γ R is divided into three classes, Fc γ RI (CD64), Fc γ RII (CD32), and Fc γ
	RIII (CD16). CD16 protein is a multifunctional, low/intermediate affinity receptor, which belongs
	to the immunoglobulin superfamily. It is found on the surface of natural killer cells, neutrophil
	polymorphonuclear leukocytes, monocytes and macrophages. Mouse CD16 is encoded by a
	single gene, while, human CD16 is expressed as two distinct forms (CD16a/FcγRIIIa and
	CD16b/FcyRIIIb) encoded by two different highly homologous genes in a cell type-specific
	manner. CD16 is involved in phagocytosis, secretion of enzymes, inflammatory mediators,
	antibody-dependent cellular cytotoxicity (ADCC), and clearance of immune complexes.
	Synonym: CD16 Protein, Mouse
Molecular Weight:	22.6 kDa
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted
	samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.