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CD16 Protein (CD16) (Transcript Variant 1) (His tag)



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Overview	
Quantity:	10 μg
Target:	CD16
Protein Characteristics:	Transcript Variant 1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD16 protein is labelled with His tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	 Recombinant human CD16 (transcript variant 1) protein expressed in HEK293 cells. Produced with end-sequenced ORF clone
Purity:	> 95 % as determined by SDS-PAGE and Coomassie blue staining
Endotoxin Level:	Endotoxin level is <0.1 ng/μg of protein (<1EU/μg).
Target Details	
Target:	CD16
Alternative Name:	CD16 (CD16 Products)
Background:	This gene encodes a receptor for the Fc portion of immunoglobulin G, and it is involved in the removal of antigen-antibody complexes from the circulation, as well as other other antibody-

	dependent responses. This gaps (FOCDSA) is highly similar to enother pearly gaps (FOCDSD)
	dependent responses. This gene (FCGR3A) is highly similar to another nearby gene (FCGR3B)
	located on chromosome 1. The receptor encoded by this gene is expressed on natural killer
	(NK) cells as an integral membrane glycoprotein anchored through a transmembrane peptide,
	whereas FCGR3B is expressed on polymorphonuclear neutrophils (PMN) where the receptor is
	anchored through a phosphatidylinositol (PI) linkage. Mutations in this gene have been linked to
	susceptibility to recurrent viral infections, susceptibility to systemic lupus erythematosus, and
	alloimmune neonatal neutropenia. Alternatively spliced transcript variants encoding different
	isoforms have been found for this gene.
ar Weight:	22.61kD

Molecular Weight:	22.61kD
NCBI Accession:	NP_000560
Pathways: Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Pro	

Application Details

Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production
	Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Buffer:	Lyophilized from a 0.2 μ M filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2	
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.	
Storage:	-80 °C	
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.	