

Active Recombinant Human CD16a protein, His-tagged, Biotinylated

Cat. No. CD16a-0235H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CD16a protein(P08637-1)(Met1-Gln208,F176V), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Gln208,F176V
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1.Immobilized Biotinylated Human FcγRIIIA / CD16a (V176) recombinant protein (His & Avi Tag) at 10 µg/mL can bind recombinant human IgG1 (Fc) with a linear range of 0.31-5.0 µg/mL.2.Loaded Biotinylated Human FcγRIIIA / CD16a (V176) recombinant protein (His & Avi Tag) on SA Biosensor, can bind Bevacizumab (IgG1) with an affinity constant of 3.3 µM as determined in a BLI assay (ForteBio Octet Red384).3.Loaded Biotinylated Human FcγRIIIA / CD16a (V176) recombinant protein (His & Avi Tag) on SA Biosensor, can bind Conbercept with an affinity constant of 0.1 µM as determined in a BLI assay.
Molecular Mass	The secreted recombinant human CD16a consists of 227 amino acids and predicts a

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	molecular mass of 25.6 KDa. By SDS-PAGE under reducing conditions, the apparent molecular mass of the protein is approximately 48 KDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE. > 95 % as determined by SEC-HPLC
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin
GENE INFORMATION	
Official Symbol	CD16a