

Datasheet for ABIN7320834
CD16 Protein (CD16) (His tag)



[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	CD16
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD16 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse CD16/FCGR3 Protein (His Tag)
Sequence:	Leu32-Thr215
Characteristics:	Recombinant Mouse CD16 is produced by our Mammalian expression system and the target gene encoding Leu32-Thr215 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CD16
Alternative Name:	CD16/FCGR3 (CD16 Products)
Background:	Background: Low affinity immunoglobulin gamma Fc region receptor III (Fc gamma RIII/CD16) is a member of the Ig superfamily. Based on close relationships in their extracellular domains, the Fc gamma Rs have been divided into three classes composing of Fc gamma RI (CD64), Fc

Target Details

gamma RII (CD32), and Fc gamma RIII (CD16). Each group may be encoded by multiple genes and exist in different isoforms depending on species and cell type. Mouse CD16 is a type I transmembrane protein having two extracellular Ig-like domains consisting of immunoglobulin domain, repeat, signa and transmembrane, transmembrane helix. It is expressed on a variety of myeloid and lymphoid cells and associates with Fc R gamma to deliver an activating signal upon ligand binding. Fcgr3 is IgG binding and activation or inhibition of immune responses such as antibody-dependent cellular cytotoxicity, phagocytosis, cell surface receptor signaling pathway and positive regulation of type I/IIa/III hypersensitivity.

Synonym: Low affinity immunoglobulin gamma Fc region receptor III, Fcgr3, Fc gamma Receptor III, CD-antigen 16, CD16, FcRIII, IgG Fc receptor III

Molecular Weight: 21.9 kDa

UniProt: [Q5D5I8](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#)

Application Details

Restrictions: For Research Use only

Handling

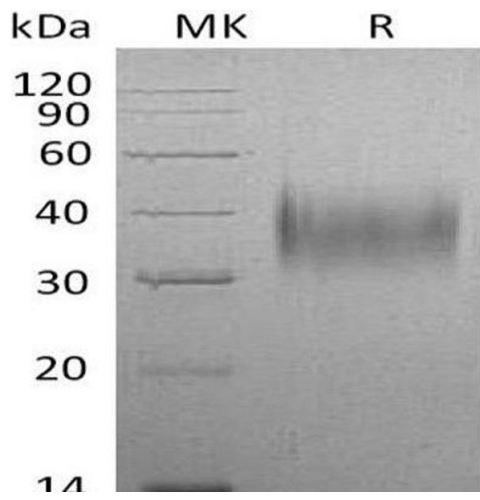
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 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.