Recombinant Human CD16b/Fc gamma RIIIB Protein

Catalog No.: RP00363 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	2215	O75015

Tags
C-Fc & 6×His

Synonyms
FCGR3B;CD16;CD16b;FCG3;FCGR3;FCR-10;FCRIII;FCRIIIb

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

This protein is a low affinity receptor for the Fc region of gamma immunoglobulins (IgG). The encoded protein acts as a monomer and can bind either monomeric or aggregated IgG. This gene may function to capture immune complexes in the peripheral circulation. Several transcript variants encoding different isoforms have been found for this gene. A highly-similar gene encoding a related protein is also found on chromosome 1.

Basic Information

Description
Recombinant Human CD16b/Fc gamma RIIIB Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Thr20-Gln208) of human CD16b/Fc gamma RIIIB (Accession #O75015) fused with an Fc, 6×His tag at the C-terminus.

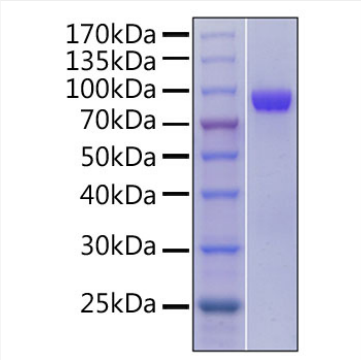
Bio-Activity
Measured by its ability to bind human IgG with an estimated Kd <150 nM.

Storage
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Contact

www.abclonal.com

Validation Data



Recombinant protein Human CD16b/Fc gamma RIIIB was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 80 kDa.