

ARG70489
Mouse CD16 recombinant protein (His-tagged)Package: 100 µg
Store at: -20°C

Summary

Product Description	CHO expressed, His-tagged Mouse CD16 recombinant protein.
Tested Application	SDS-PAGE
Target Name	CD16
Species	Mouse
A.A. Sequence	Met1-Thr215
Expression System	CHO

Properties

Form	Powder
Purification	>95% (by SDS-PAGE)
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	Fcgr3
Gene Full Name	Fc gamma receptor III
Background	CD16, also known as Fc gamma receptor III (FcγRIII), is a transmembrane protein primarily found on the surface of natural killer (NK) cells, macrophages, and a subset of T cells. It plays a critical role in mediating antibody-dependent cellular cytotoxicity (ADCC) and phagocytosis. CD16 binds to the Fc portion of immunoglobulin G (IgG) antibodies, facilitating the recognition and destruction of target cells or pathogens coated with antibodies. This interaction activates downstream signaling pathways, triggering cytotoxic responses. CD16's involvement in immune surveillance and host defense highlights its significance in immune regulation and therapeutic strategies targeting ADCC.