

**CD16a-FC recombinant protein**

<b>Catalog No :</b>	YD3074
<b>Reactivity :</b>	Human;
<b>Purity :</b>	>90% as determined by SDS-PAGE
<b>Gene Name :</b>	FCGR3A
<b>Protein Name :</b>	Low affinity immunoglobulin gamma Fc region receptor III-A (IgG Fc receptor III-A) (CD16-II) (CD16a antigen) (Fc-gamma RIII-alpha) (Fc-gamma RIII) (Fc-gamma RIIIa) (FcRIII) (FcRIIIa) (FcgammaRIIIA) (F
<b>Sequence :</b>	Amino acid:17-208,with FC tag.
<b>Human Gene Id :</b>	2214
<b>Human Swiss Prot No :</b>	P08637
<b>Formulation :</b>	Phosphate-buffered solution
<b>Source :</b>	Mammalian cells
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
<b>Function :</b>	Receptor for the invariable Fc fragment of immunoglobulin gamma (IgG). Optimally activated upon binding of clustered antigen-IgG complexes displayed on cell surfaces, triggers lysis of antibody-coated cells, a process known as antibody-dependent cellular cytotoxicity (ADCC). Does not bind free monomeric IgG, thus avoiding inappropriate effector cell activation in the absence of antigenic trigger (PubMed:11711607, PubMed:21768335, PubMed:22023369, PubMed:24412922, PubMed:25786175, PubMed:25816339, PubMed:28652325, PubMed:8609432, PubMed:9242542). Mediates IgG effector functions on natural killer (NK) cells. Binds antigen-IgG complexes generated upon infection and triggers NK cell-dependent cytokine production and degranulation to limit viral load and propagation. Involved in the generation of memory-like adaptive NK cells capable to produce high amounts of IFNG and to efficiently eliminat
<b>Subcellular Location :</b>	Cell membrane ; Single-pass type I membrane protein . Secreted . Note=Exists also as a soluble receptor. .

**Expression :** Expressed in natural killer cells (at protein level) (PubMed:2526846). Expressed in a subset of circulating monocytes (at protein level) (PubMed:27670158).

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