

Product datasheet for **TP724950**

CD16 (FCGR3A) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Fc gamma RIIIA/CD16a
Species:	Human
Expression cDNA Clone or AA Sequence:	Gly17-Gln208
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH7.4
Note:	Recombinant Human Fc gamma RIIIA (V176) is produced by our Mammalian expression system and the target gene encoding Gly17-Gln208 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	2214
UniProt ID:	P08637
Summary:	Receptors for the Fc region of immunoglobulin gamma (FCGR) are divided into three classes and FCGR3A is a multifunctional, low/intermediate affinity receptor. In humans, FCGR3A is expressed as two distinct forms (FCGR3A and FCGR3B) that are encoded by two different but highly homologous genes in a cell type-specific manner. FCGR3B is a low-affinity, GPI-linked receptor expressed by neutrophils and eosinophils, while FCGR3A is an intermediate affinity polypeptide-anchored transmembrane glycoprotein expressed by a subset of T lymphocytes, natural killer (NK) cells, monocytes, and macrophages. The FCGR3A receptor plays roles in phagocytosis, secretion of enzymes, inflammatory mediators, antibody-dependent cellular cytotoxicity (ADCC), mast cell degranulation, and clearance of immune complexes. FCGR3A has an immunoreceptor tyrosine-based activation motif (ITAM) in its cytoplasmic domain and delivers an activation signal in the immune responses.



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