

Recombinant Mouse CD16 Protein (His Tag)**Cat.NO.: TP07752**

3th Edition

Synonyms:CD16 Protein, Mouse

Description:Fc receptors bind the most common class of antibody, IgG, are called Fc gamma receptors (Fc γ R). Fc γ R is divided into three classes, Fc γ RI (CD64), Fc γ RII (CD32), and Fc γ RIII (CD16). CD16 protein is a multifunctional, low/intermediate affinity receptor, which belongs to the immunoglobulin superfamily. It is found on the surface of natural killer cells, neutrophil polymorphonuclear leukocytes, monocytes and macrophages. Mouse CD16 is encoded by a single gene, while, human CD16 is expressed as two distinct forms (CD16a/Fc γ RIIIa and CD16b/Fc γ RIIIb) encoded by two different highly homologous genes in a cell type-specific manner. CD16 is involved in phagocytosis, secretion of enzymes, inflammatory mediators, antibody-dependent cellular cytotoxicity (ADCC), and clearance of immune complexes.

Form:PBS**Molecular Weight:**22.6 kDa**Sequences:**Met 1-Thr 215**Purity:**> 95% by HPLC**Concentration:****Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.