Recombinant Mouse CD16 Protein (His Tag)

Catalog Number: PKSM040733



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms CD16 Protein; Mouse

Species Mouse

Expression Host HEK293 Cells
Sequence Met 1-Thr 215
Accession P08508-1
Calculated Molecular Weight 22.6 kDa
Tag C-His

Bioactivity Immobilized mouse FCGR3-His at 10 µg/ml (100 µl/well) can bind biotinylated

human IgG1The EC50 of biotinylated human IgG1 is 0.12-0.28 µg/ml.

Properties

Purity > 95 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method.

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to

-80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots

of reconstituted samples are stable at < -20°C for 3 months.

Shipping This product is provided as lyophilized powder which is shipped with ice packs.

Formulation Lyophilized from sterile PBS, pH 7.4

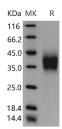
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

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

For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web: <u>www.elabscience.com</u> Email: <u>techsupport@elabscience.com</u>

Recombinant Mouse CD16 Protein (His Tag)

Catalog Number:PKSM040733



complexes.

Tel: 1-832-243-6086 Fax: 1-832-243-6017 Web: www.elabscience.com Email: techsupport@elabscience.com