

Active Recombinant Mouse Fcgr1 Protein, His-tagged, Biotinylated

Cat. No. Fcgr1-182M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Mouse Fc gamma RI / CD64 Protein (CD4-M52E8) is expressed from human HEK293 cells. It contains AA Glu 25 - Pro 297 (Accession # NP_034316).
Species	Mouse
Source	HEK293
ProteinLength	Glu 25 - Pro 297
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% Trehalose.
Bio-activity	The bioactivity is measured by its binding ability to mouse IgG2a in a SPR assay. Immobilized Biotinylated Mouse Fc gamma RI / CD64 Protein can bind mouse IgG2a with affinity constant of around 6.0 nM. Measured by its binding ability in a functional ELISA. Immobilized Yervoy Ipilimumab (Human IgG1) at 10 µg/mL (100 µL/well) can bind Biotinylated Mouse Fc gamma RI with a linear range of 0.03-0.5 µg/mL.
Molecular Mass	This protein carries a 15 AA fragment at the C-terminus, followed by a polyhistidine tag. There is one single lysine residue within the 15 AA fragment that is enzymatically labeled with biotin in vivo. The protein has a calculated MW of 33 kDa. The predicted N-terminus is Glu 25. The reducing (R) protein migrates as 45-60 kDa in SDS-PAGE due to glycosylation.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>92% as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	Fcgr1 Fc receptor, IgG, high affinity I [Mus musculus (house mouse)]
Official Symbol	Fcgr1
Synonyms	Fcgr1; Fc receptor, IgG, high affinity I; high affinity immunoglobulin gamma Fc receptor I; IgG high affinity Fc receptor; fc-gamma RI; fcRI; igG Fc receptor I;
Gene ID	14129
mRNA Refseq	NM_010186.5
Protein Refseq	NP_034316.1
UniProt ID	P26151

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA