

Active Recombinant Mouse IgG1Fc protein

Cat. No. IgG1Fc-10M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IgG1Fc protein(Val 111 - Lys 324) was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	111-324 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 51 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Loaded Mouse FCGRT&B2M Heterodimer Protein, His Tag on NTA Biosensor, can bind Mouse IgG Fc, Tag Free with an affinity constant of 17.9 nM as determined in BLI assay (ForteBio Octet Red96e).
Molecular Mass	This protein carries no "tag".The protein has a calculated MW of 24.3 kDa. The protein migrates as 28-30 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Val111-Lys324
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.>95% as determined by SEC-MALS.

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Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
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.

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