

Active Recombinant Human IgG1Fc protein, His-tagged

Cat. No. IgG1Fc-09H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IgG1Fc protein(Glu 99 - Lys 330), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	99-330 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 with Trehalose as protectant.
Bio-activity	Immobilized Human IgG1 Fc (C103S, M135Y, S137T, T139E, H316K, N317F), His Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Human CD64, His,Avitag with a linear range of 0.4-13 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminusThe protein has a calculated MW of 28.1 kDa. The protein migrates as 30-32 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Glu99-Lys330
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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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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