

Active Recombinant Human IgG1Fc Protein, Avi-tagged, Biotinylated

Cat. No. IgG1Fc-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human IgG1 Fc is expressed from HEK293 cells. It contains AA Glu 99 - Lys 330 (Accession # P01857-1). This protein carries an Avi tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	99-330 a.a.
Predicted N Terminal	Glu 99
Form	Lyophilized from 0.22 um filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
Bio-activity	Immobilized Recombinant Protein G at 2 ug/mL (100 uL/well) can bind Biotinylated Human IgG1 Fc, Avi Tag with a linear range of 13-512 ug/mL.
Molecular Mass	The protein has a calculated MW of 28.4 kDa. The protein migrates as 36-40 kDa under reducing condition (SDS-PAGE) due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Characteristic	Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°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.
Conjugation	Biotin
GENE INFORMATION	
Official Symbol	IgG1Fc
Synonyms	IgG Fc