

Rabbit IgG Protein

Cat. No. IGG-RM001

Description

Source	Recombinant Rabbit IgG Protein is expressed from HEK293 without tag. It contains Ser101-Lys323 (T185A, N284S).
Accession	P01870
Molecular Weight	The protein has a predicted MW of 25.13 kDa. Due to glycosylation, the protein migrates to 30-38 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

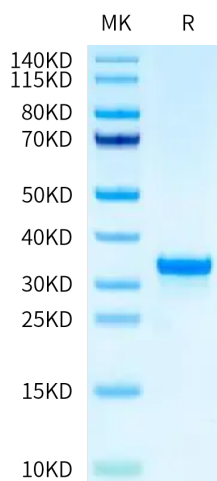
Formulation	Supplied as 0.22 µm filtered solution in PBS, 150mM NaCl, 10% Glycerol (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Immunoglobulin G (IgG) glycosylation can modulate antibody effector functions. Depending on the precise composition of the sugar moiety attached to individual IgG glycovariants either pro- or anti-inflammatory effector pathways can be initiated via differential binding to type I or type II Fc-receptors. Rabbits make high-affinity IgG antibodies, all of which bind with high affinity to Protein A from *Staphylococcus aureus* and Protein G from Group G *Streptococcus*.

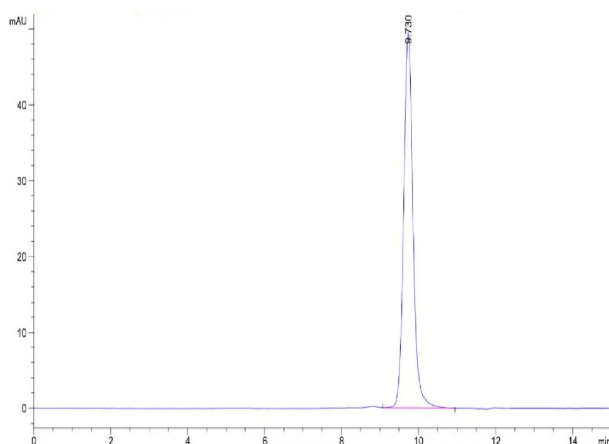
Assay Data

Bis-Tris PAGE



Rabbit IgG on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



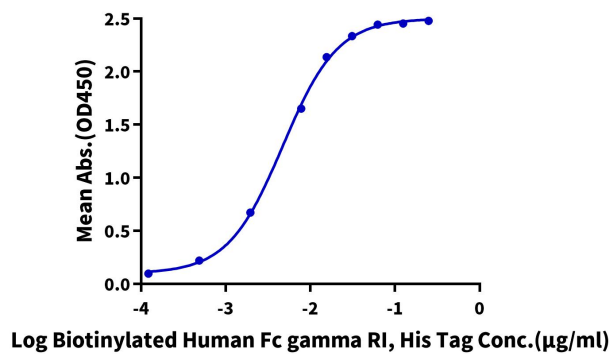
The purity of Rabbit IgG is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Rabbit IgG, No Tag ELISA

0.2µg Rabbit IgG, No Tag Per Well



Immobilized Rabbit IgG, No Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human Fc gamma RI, His Tag with the EC50 of 4.7ng/ml determined by ELISA (QC Test).