

# Rabbit IgG Protein

Cat. No. IGG-RM001



## Description

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

## Formulation and Storage

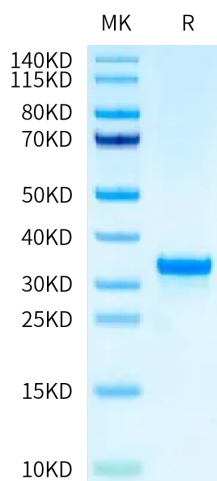
<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS, 150mM NaCl, 10% Glycerol (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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*.

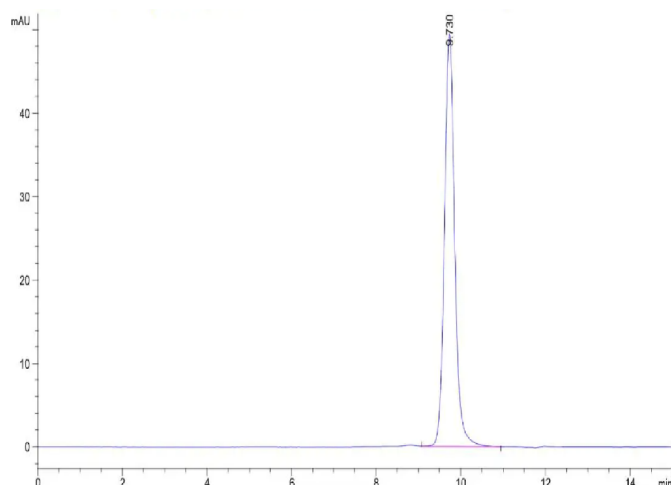
## Assay Data

### Tris-Bis PAGE



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

### SEC-HPLC



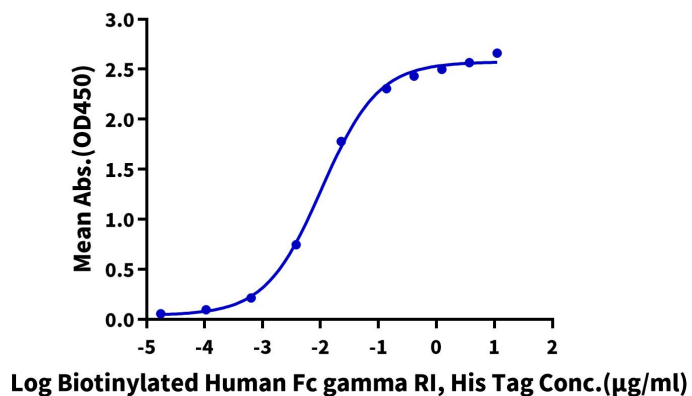
The purity of Rabbit IgG is greater than 95% as determined by SEC-HPLC.

### ELISA Data

For Research Use Only

Assay Data

**Rabbit IgG, No Tag ELISA**  
0.1µg Rabbit IgG, No Tag Per Well



Immobilized Rabbit IgG, No Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human Fc gamma RI, His Tag with the EC50 of 10.5ng/ml determined by ELISA.