

IgG Protein, Rabbit, Recombinant (T185A, N284S)

General Information

Synonyms:	IgG
Protein Construction:	Ser101-Lys323(T185A, N284S)
Species:	Rabbit
Expression Host:	HEK293 Cells
Accession:	P01870
Molecular Weight:	25.13 kDa (Predicted); 30-38 kDa (Due to glycosylation)

QC Testing

Biological Activity:	Immobilized Rabbit IgG, No Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Biotinylated Human Fc gamma RI, His Tag with the EC50 of 10.5 ng/ml determined by ELISA.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 µm filtered solution in PBS, 150mM NaCl, 10% Glycerol (pH 7.4).

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein 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*.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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