

Rev03
Update: Aug,08,2025**DATASHEET**

IgG, Rabbit

Cat. No.: Z06410

Product Introduction

Species	Rabbit
Protein Construction	IgG (Ser101-Lys323 (T185A, N284S)) Accession # P01870
Purity	> 95% as determined by BisTris PAGE
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	25.13 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 30-38 kDa based on Bis-Tris PAGE result.
Formulation	Supplied as 0.22 µm filtered solution in PBS, 150mM NaCl, 10% Glycerol (pH 7.4).
Concentration	Verified by one or more methods from A280/Bioactivity/BCA/Bradford.
Storage & Stability	This product remains stable for 6 months at -80°C or below. Avoid repeated freeze-thaw cycles.

Background

Target 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*.

Synonyms : IgG;

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