

## Protein G, Staphylococcus aureus (His)

Cat. No.:	HY-P700321
Synonyms:	Immunoglobulin G-binding protein G; spg; IgG-binding protein G
Species:	Staphylococcus aureus
Source:	E. coli
Accession:	
Gene ID:	/
Molecular Weight:	Approximately 27 kDa

### PROPERTIES

Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Protein G at 2µg/mL (100µL/well) can bind Biotinylated Human IgG1. The ED <sub>50</sub> for this effect is 0.1099 µg/mL.
Appearance	Lyophilized powder
Formulation	Lyophilized a 0.2 µm filtered solution of PBS, pH 7.4, 5 % trehalose, 5 % mannitol and 0.01% Tween80.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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