



## Protein G

Cat. No.	Form	Quantity
7406-01S	Purified (UNLB) Protein G	1.0 mg
7406-01L	Purified (UNLB) Protein G	5.0 mg
7406-05	Horseradish Peroxidase (HRP) Conjugate	1.0 mL

### DESCRIPTION

- Source** Recombinant, from *Streptococcus* Strain G148, produced in *E. coli*.
- Mr/Structure** 22 KD. Protein G is a monomeric protein lacking cystine residues; on SDS gel, it migrates to 32KD.
- Specificity** Protein G binds the Fc portion of IgGs from many species including all human, and mouse (IgG<sub>1</sub>, weakly) subclasses. It does not bind IgM, IgA, IgE or serum albumin.

### RESEARCH APPLICATIONS

#### Protein G-UNLB

- Affinity chromatography
- Immunoprecipitation
- Gamma immunoglobulin capture
- Conjugation on solid phase or others to detect gamma immunoglobulin

### CHARACTERIZATION

To insure lot-to-lot consistency, each batch of product is tested by FPLC and ELISA to conform to the characteristics of a standard reference reagent.

### WORKING DILUTIONS

**ELISA** HRP conjugate 1:4,000-1:8,000

**Other Applications:** Since applications vary, you should determine the optimum working dilution of the product that is appropriate for your specific need.

### HANDLING AND STORAGE

- The purified Protein G is supplied as either 1.0 mg or 5.0 mg in lyophilized form. *No BSA, preservatives or amine-containing buffer salts have been added.* Store up to one year at -20°C; or after reconstitution in phosphate buffered saline to highest concentration possible, store up to one month at 2-8°C.
- Protein G-HRP conjugate is supplied as 1.0 mL of stock solution in 50% glycerol/50% PBS, pH 7.4. *No other preservatives have been added.* Store at 2-8°C or long-term at -20°C.
- Reagents are stable for the period shown on the label if stored as directed.

***For Research Use Only. Not for Diagnostic or Therapeutic Use.***

### REFERENCES

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