



# Protein G Agarose Column

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## Symbol Key



Consult instructions for use.

## **Protein G Agarose Column**

Catalog No. PGA01

*Sample insert for reference use only*

### **Introduction**

Protein G Agarose beads are prepared by covalently coupling recombinant Protein G to 6% cross-linked Agarose beads. Protein G is a genetically engineered protein containing IgG- Fc region of native Protein G.

### **Binding Capacity**

11 - 20 mg human IgG per mL resin

### **Presentation**

Preswollen gel, ready-to-use, 5ml gel (settled gel volume) in buffer that contains 14-19% ethanol as a preservative, nonsterile in column with stopper and cap.

### **Purity**

> 2.5mg Protein G (>98% pure)/1ml gel

### **Volume**

5 ml settled gel volume in column with cap and stopper

### **Application**

- Affinity chromatography
- Immunoprecipitation

Recombinant protein G binds to the Fc region of many types of immunoglobulin G including:

- Human IgG1, IgG2, IgG3 and IgG4
- mouse IgG (all subclasses)
- rabbit IgG
- guinea pig IgG
- rat IgG (all subclasses)
- goat IgG
- sheep IgG
- cow IgG
- horse IgG

Weakly binding to the following:

- Dog IgG

No binding to the following:

- Chicken IgY
- Cat IgG
- Human IgA
- Human IgM
- Serum Albumin

### **Storage Temperature**

2-8°C