



Protein A Agarose Column

Assaypro LLC
3400 Harry S Truman Blvd
St. Charles, MO 63301
T (636) 447-9175
F (636) 395-7419
www.assaypro.com

For any questions regarding troubleshooting or performing the assay, please contact our support team at support@assaypro.com.

Symbol Key



Consult instructions for use.

Protein A Agarose Column

Catalog No. PAA01

Sample insert for reference use only

Introduction

The recombinant protein is produced in *E. coli* and engineered with an oriented coupling to enhance binding capacity. Epoxy-based coupling ensures low ligand leakage. Specificity of the recombinant protein for the Fc region of IgG is similar to the native protein, giving a high degree of selectivity and yield.

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 and IgG4
- mouse IgG (all subclasses)
- rabbit IgG
- guinea pig IgG
- rat IgG (all subclasses)
- goat IgG
- sheep IgG
- cow IgG
- horse IgG
- Dog IgG

No binding to the following:

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

Storage Temperature

2-8°C