

## EZ Pure Protein A High Capacity Resin

Orochem Protein A agarose is a versatile, high-performance affinity resin for antibody purification. The resin is prepared using coupling chemistry which has many advantages over traditional methods of Protein A immobilization. The result is a high capacity affinity resin that retains functional immobilized Protein A for specific purification of antibodies.



### Highlights

#### High Capacity

Protein A agarose has a dense load of immobilized Protein A (5mg/mL) providing a binding capacity greater than 34mg human IgG/mL resin (~16 to 17mg mouse IgG/mL resin)

#### Recombinant Protein A

Immobilized Protein A is ideal for polyclonal IgG purification from human, rabbit, pig, dog or cat serum

#### Inert and stable

Superior manufacturing method immobilizes Protein A by chargefree, leach-resistant covalent bonds, resulting in low non-specific binding and enabling multiple uses without decline in yield

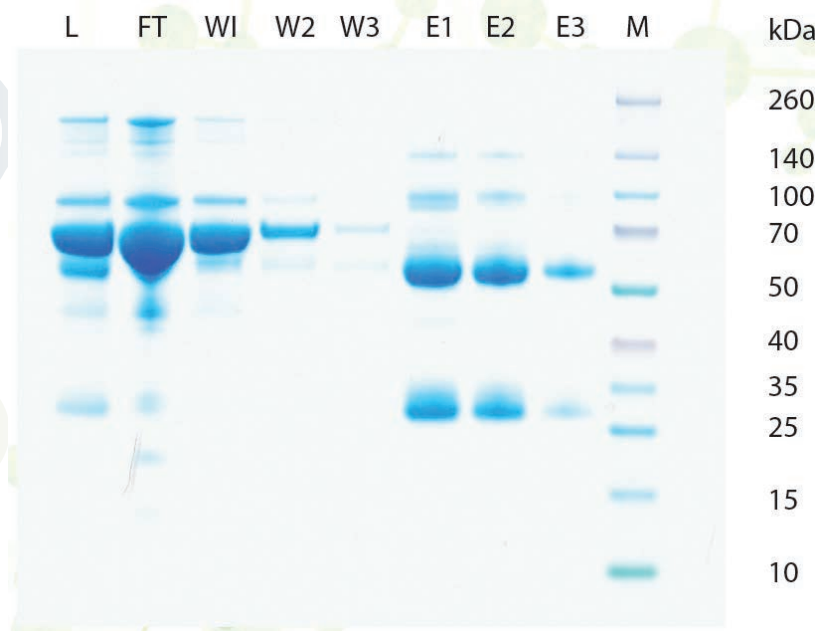
#### Agarose Resin

Support is cross-linked 6% beaded agarose, the most popular resin for protein affinity purification methods

#### Multiple Formats

A wide variety to choose from bottled resin slurries, spin columns, chromatography cartridges, complete purification kits and high-throughput compatible 96-well filter plates

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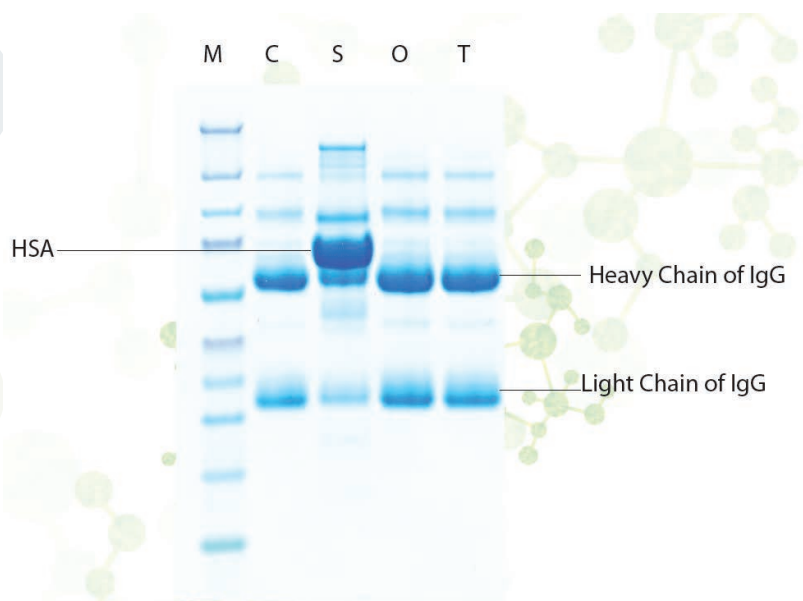


**Figure 1: Purification of human IgG from normal human serum by spin procedure:**

Serum (24 mg protein) was applied to Protein A spin column (1mL) and incubated with the resin for 10 minutes at room temperature by gentle end-over-end mixing. The resin was washed with 6 mL of wash buffer and IgG was eluted with 3 mL (3 x 1 mL) of elution buffer. Total time for the spin procedure was 20 minutes. The fractions were analyzed by SDS-PAGE under reducing conditions.

S = Serum load, FT = Flow through, W1-3 = Wash 1-3, E1-3 = Elution 1-3 and M = Molecular Weight Marker

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**Figure 2: Comparison of Orochem Protein A resin to other supplier's resin:**

Serum (24 mg protein) was applied to Protein A spin column (1mL) and incubated with the resin for 10 minutes at room temperature by gentle end-over-end mixing. The resin was washed with 6 mL of wash buffer and IgG was eluted with 3 mL (3 x 1 mL) of elution buffer. The fractions were analyzed by SDS-PAGE under reducing conditions.

M: Molecular weight marker; C: Human IgG (control); S: Serum; O: IgG purified using Orochem resin and T: IgG purified using supplier T resin

## EZ Pure Protein A High Capacity Resin

### Ordering Information:

Please inquire for price.

Catalog No.	Description	Package Size
OCPPABK-05	EZ Pure Protein A High Capacity Resin Formulation: Protein A on cross-linked 4% beaded agarose, slurried in water with sodium azide Sufficient For: Binding $\geq 34$ mg hu-man IgG/mL resin; 16 to 17mg mouse IgG/mL resin	5 mL
OCPPABK-25	EZ Pure Protein A High Capacity Resin	25 mL
OCPPABK-100	EZ Pure Protein A High Capacity Resin	100 mL
OCPPASC-0.2	EZ Pure Protein A Spin Columns, 0.2 mL	10
OCPPASC-1.0	EZ Pure Protein A Spin Columns, 1 mL	5
OCPPASP96	EZ Pure Protein A, 96-well plate Formulation: 96-well filter plate containing 50 $\mu$ L Protein A Agarose per well; Includes 3 collection plates. Sufficient For: Binding approx. 0.6mg human IgG or 0.3mg of mouse IgG per well	1

