

## Product datasheet for RA100S5

### Protein A (Sepharose) Staphylococcus aureus Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Protein A (Sepharose) s. aureus protein, 5 ml
Species:	Staphylococcus aureus
Concentration:	lot specific
Conjugation:	Sepharose
Buffer:	State: Suspension of Sepharose beads (~2.0 cc suspension per cc settled beads). Buffer System: 20% (v/v) Ethanol <b>Label:</b> Sepharose (TM) Presentation Label: Sepharose
Bioactivity:	Specific: ~35 mg Human IgG bound per cc of drained beads.
Preparation:	Suspension of Sepharose beads (~2.0 cc suspension per cc settled beads).
Applications:	Ideal for laboratory and process scale recovery and purification of monoclonal antibodies from dilute cell cultures. High capacity and high flow rate fractionation is applicable to both laboratory and scale-up processes. Protein A resin may also be used to pull down antibody:antigen complexes in immunoprecipitation experiments. This product is suitable for use at 20 ul per immunoprecipitation reaction
Protein Description:	Native Protein A ( <i>Staphylococcus aureus</i> ) coupled to bead by cyanogen bromide activation method.
Note:	<b>Matrix:</b> Sepharose 4 Fast Flow, highly cross linked, 4% agarose derivative. <b>Bead Size:</b> 45-165 µm in size when swollen. <b>Protein A/Sepharose:</b> 6.0 mg Protein A per cc of drained sepharose gel. <b>Binding Capacity:</b> Approximately 35 mg Human IgG per cc of drained sepharose gel. <b>Exclusion Limit (Mr):</b> 3 x 10e7 <b>Maximum Linear Flow Rate:</b> < 1300 cm/hr <b>pH Stability:</b> Long term stability within pH range of 3 to 9. Short term stability within pH range of 2 to 10.

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**Storage:** Store vial at 2-8°C prior to opening.  
**DO NOT FREEZE!**

**Stability:** Shelf life: one year from despatch.