Catalog number RS-PROTA

Protein A Agarose, small bead (columns)

Recombinant Protein A on highly cross-linked 4% agarose, 45 µm beads, binding >=30 mg human IgG per mL of resin. Sized for FPLC and prepacked-column antibody capture.

Specification

Ligand	recombinant Protein A (E. coli)
Matrix	4% agarose, highly cross-linked
Bead type	spherical
Bead size	45 µm (d50 volume-weighted)
Dynamic binding capacity	30 mg human IgG/mL resin (10% breakthrough, 4 min residence time, polyclonal hIgG)
Ligand leakage	<=15 ng/mg IgG (ELISA)
Max linear flow	400 cm/h
Max pressure	0.3 MPa
Binding buffer	20 mM sodium phosphate, 150 mM NaCl, pH 7.0
Elution buffer	0.1 M glycine-HCl pH 3.0
Storage buffer	20% ethanol
Clean-in-place	Clean with 6 M guanidine-HCl or 0.1 M acetic acid, then re-equilibrate in binding buffer. Native Protein A is alkali-labile: keep NaOH at or below 20 mM and expect capacity to fall and ligand leakage to rise with repeated caustic exposure.
Format	bulk resin

Ordering

Catalog no.	Pack	List price	Availability
RS-PROTA-5ML	5 mL resin	$200	Waitlist
RS-PROTA-25ML	25 mL resin	$660	Waitlist
RS-PROTA-1ML-COL	1 mL prepacked column	$65	Waitlist

Storage and shipping

RS-PROTA continued

Cold chain	Ambient. No cold chain required in transit.
Hazard classification	None
Certificate of Analysis	Issued per lot and shipped with the product. Any lot can be retrieved at bramantebio.com/support/coa/

Research use only

For research use only. Not for use in diagnostic or therapeutic procedures, and not for human or veterinary use. The purchaser is responsible for determining suitability for their application and for compliance with applicable biosafety and institutional requirements.