

## ZetaSep Protein A Resolute

**FPLC column packed with NaOH-tolerant recombinant Protein A Agarose Resin.**

A cross-linked beaded agarose resin to purify immunoglobulins via their selective affinity to Protein A.

<b>Product Code</b>	<b>ZS-1425-M001.0</b>
<b>Quality Parameter</b>	<b>Specification</b>
Packing evaluation asymmetry: (no double peak, no shoulder)	$0.7 \leq A_s \leq 1.9$
Asymmetry LOT homogeneity:	$CV \leq 8 \%$
<b>Other Product Properties</b>	
Application	ZetaSep Protein A Resolute is a 1 mL FPLC column. Packed with bcross-linked agarose beads, immobilized with NaOH tolerant recombinant Protein A ligand. The column can be used to purify immunoglobulins via their selective affinity to Protein A.
Base matrix material	~100 $\mu\text{m}$ (mean bead diameter) cross-linked, beaded agarose.
Base column material	Polypropylene column housing, 20 $\mu\text{m}$ polyethylene frits, 10/32 fittings
Recommended flow rate	0.5 - 2.0 mL/min (~75 - 300 cm/hr)
Maximum operating pressure	3 bar (0.3 MPa, 2.96 atm)
pH stability	2-14 (short term), 3 – 9 (long term) The pH stability of the affinity resin will be ultimately dependent on the pH stability of the ligand bound to the resin and the incubation time. Zetarose Protein A Resolute shows high stability at pH ~2-14 with exposure times of up to 15 minutes to 1 M NaOH.
Chemical stability	Zetarose Protein A Resolute is generally tolerant of all commonly used aqueous solutions for protein purification.
Quality parameter of the resin	Binding capacity ~30 mg human IgG / mL resin
Storage buffer	20 % ethanol
Storage	+2 to +8 °C. DO NOT FREEZE!
Miscellaneous	---
Notice	The use of this product is strictly limited to trained personnel for professional manufacturing, laboratory, or research purposes. Final Fitness-For-Use must be determined by and is the sole responsibility of the end-user.