

AR Protein A 4FF column

AR Protein A 4FF is an alkali-resistant affinity chromatography medium for the separation and purification of monoclonal antibodies, polyclonal antibodies or Fc-fusion proteins.

Protein A is a cell wall protein isolated from *Staphylococcus aureus* that binds mammalian IgG mainly through an Fc fragment. The ligand protein for AR Protein A 4FF is an alkali-resistant protein A (so abbreviated as AR) obtained by bioengineering mutation of recombinant protein A, expressed in *E.coli*. There are no animal-derived components are used in the ligand purification process. The ligands are specially designed for enhanced stability to alkalis and proteases.

AR Protein A is based on a highly cross-linked 4% agarose gel, which can purify monoclonal and polyclonal antibodies at relatively high flow rates. Its pressure resistance makes it suitable for use in Large-scale production of industrialized antibodies.

While it is cleaned with 0.1M NaOH for 200 times; the medium load remain almost unchanged. After cleaning with 0.5M NaOH for 100 times, the load can still reach 80% of the initial load. It uses a more stable directional coupling with low shedding (less than 10ng/mg IgG).

Catalog No.	506052
Size	5 x 1mL / 1 x 5mL / 5 x 5mL
Product Category	Affinity Purification
Matrix	Highly Cross-Linked 4% Agarose Beads
Ligand	Alkali Resistant Protein A
Chemical Resistance	Tolerates all reagents
Binding Capacity	>40mg human IgG/ml
Bead Size	~90um
Flow Velocity	0-300 cm/h

pH Stability	3-12
Cleaning In-Place	0.1-0.5M NaOH
Storage Buffer	1x PBS containing 20% Ethanol
Storage/Stability	2-8°C/2 years
Shipping	Gel Packs

www.realgenelabs.com

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