



## AR Protein A-LX column

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AR Protein A-LX is an affinity chromatography medium for the separation and purification of high titer 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-LX 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 in the ligand purification process. The ligands are specially designed for enhanced stability to alkalis and proteases.

AR Protein A-LX has a high dynamic binding capacity after extended retention time therefore it is specifically developed for purification of high titer antibodies.

AR Protein A-LX 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, which is more convenient especially for the industrial customers. This product uses a more stable directional coupling with low shedding (less than 10ng/mg IgG).

Catalog No.	506062
Size	5 x 1mL / 1 x 5mL / 5 x 5mL
Product Category	Affinity Purification
Matrix	Highly Cross-Linked Agarose Beads
Ligand	Alkali Resistant Protein A
Chemical Resistance	Tolerates all reagents

Binding Capacity	>60mg human IgG/ml
Bead Size	~85um
Flow Velocity	50-500 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](http://www.realgenelabs.com)

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