Alkali-Tolerant Protein A Agarose 4 Fast Flow

Product Information

Cat#No#	AC-014A
Common Name	Protein A

Product Overview

rProtein A Agarose 4 Fast Flow is a proprietary affinity chromatography medium designed for easy, one-step purification of immunoglobulins, notably monoclonal antibodies, from samples of larger volumes.
Alkali-tolerant protein A is engineered by gene recombination technology on the base of native protein A. Our Alkali-Tolerant Protein A Agarose 4FF retains ≥95% capacity after 200 times repeated clean-in-place (CIP) cycles with 0.1M NaOH, and approximately 80% of the initial capacity with 0.5M NaOH after 100 times repeated CIP cycles. Alkali-Tolerant Protein A is immobilized onto the cross-linked 4% agarose resin with an orientation that is optimal for immunoglobulin binding. The level of leakage of the ligand during elution is very low.

Matrix

Cross-linked 4% agarose supplied as a 50% slurry

Average particle size

45 µm - 165 µm, with an average of ~ 90 µm

Ligand

Recombinant alkali-tolerant protein A produced in E.coli

Dynamic binding capacity

>40 mg human IgG/mL medium

Recommended flow rate

Gravity flow and medium pressure, 30 - 300 cm/hour

Maximum Pressure Drop

0.3 MPa (3 bar)

Chemical stability

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CREATIVE BIOMART®
Chromatography

Alkali-Tolerant Protein A Agarose 4 Fast Flow

All commonly used aqueous buffers and reagents in the process of antibody purification, including 6 M guanidine-HCl and 8 M urea.

CIP stability	
0.1 M ~ 0.5 M NaOH	
Storage	
2 - 8°C, storage buffer: 20% ethanol	
Size	10ml; 50ml; 500ml

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