

MabAffinity rProtein G Agarose High Flow

Cat. No. Potein G-001A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mab Affinity Protein G Agarose High Flow Resin is a high capacity, chemically stable affinity medium designed specially for the purification of monoclonal and polyclonal antibodies and isolation of immune complex at laboratory and process scales.
Cat.no	Potein G-001A
Form	Slurry in 20% Ethanol
Size	5 mL, 25 mL, 100 mL
Matrix	Highly cross-linked Agarose
Molecular Characterization	Recombinant Protein G has a mass of 21.6kDa,while its apparent size is 31 to 34 kDa by SDS-PAGE
Average particle size	90 µm
Ligand	Protein G
Coupling chemistry	Epoxy
Dynamic binding capacity	18 mg IgG /ml media
Recommended flow rate	100-300cm/h

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Viscosity	Unused media can be stored in the container at a temperature of +4 to +8°C. Ensure that the screw top is fully tightened and keep container tightly closed in a dry and well-entilated place. Packed columns should be equilibrated in binding buffer containing 20% ethanol to prevent microbial growth. After storage, equilibrate with at least 5 bed volumes of starting buffer before use.
Recommended column height	5-20cm
Chemical stability	Stable in all aqueous buffers commonly used in protein G chromatography
pH working range	2-9
pH CIP range	2-10
CIP stability	8M Urea, 6M Gua-HCl, 3 M sodiumisothiocyanate, 0.1M acetic acid
Temperature Stability	2-40 °C
Elution buffer	100 mM glycine, 10 mM NaCl, pH 3.0
Shelf life	5 years
Warning	1. Determined at 10% breakthrough at 4min residence time 2. Delivered at room temperature, and recommended long-term storage at 2-8 °C