

Data Sheet

Protein A Agarose cartridge

Cat. No.: 6-2021-001, 6-2022-001

Version: 4.0
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Description	Ready-to-use cartridge with Protein A Agarose resin for the purification of monoclonal- and polyclonal antibodies. These cartridges are primarily designed for the use with chromatography workstations using 10-32 connections. Please note that you do not need adapters for HPLC and Äkta.
Support	Rigid, highly cross-linked agarose
Bead size	45 µm (Median particle size of the cumulative volume distribution.)
Ligand	Alkaline stable recombinant protein A expressed in <i>E. coli</i> using animal-free medium
Form	Pre-packed in buffer, pH 7.4 (PBS pH 7.4, 1 mM EDTA, 0.01% sodium azide)
Dynamic binding capacity (DBC10%)	≥70 mg hu IgG/mL resin at residence time 6 min ≥50 mg hu IgG/mL resin at residence time 2.4 min ≥25 mg hu IgG/mL resin at residence time 1 min Dynamic binding capacity was determined with 1 mg/ml monoclonal hu IgG1 using a 1 ml column at 1-, 2.4- and 6-minutes residence time.
Stability	6 months after shipping
Storage	2-8 °C
Shipping	room temperature
Hazards	Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided.

Application	Purification of polyclonal or monoclonal IgG antibodies. The antibodies are bound via the Fc-region.			
	Cartridge volume	Recommended flow rate (20 °C)	Maximum flow rate	Maximum back pressure
	1 ml (6-2021-001)	0.16-1 ml/min	4 ml/min	0.3 MPa, 3 bar, 43 psi
	5 ml (6-2022-001)	0.83-5 ml/min	15 ml/min	0.3 MPa, 3 bar, 43 psi

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