

## Data Sheet

# Protein A Agarose Cartridge – 1mL

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<b>Description</b>	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).
<b>Column volume</b>	1 mL
<b>Target substance</b>	Polyclonal and monoclonal antibodies (IgG), bound via the Fc-region
<b>Form</b>	Pre-packed in buffer, pH 7.4: PBS pH 7.4, 1 mM EDTA, 0.01 % sodium azide.
<b>Matrix</b>	Rigid, highly cross-linked agarose
<b>Agarose Average particle size <sup>1</sup>(Dv50)</b>	45 µm
<b>Ligand</b>	Alkaline stable recombinant protein A expressed in <i>E. coli</i> using animal-free medium
<b>Dynamic binding capacity <sup>2</sup>(DBC10%)</b>	≥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
<b>Recommended flow rate (20°C)</b>	0.16 - 1 mL/min
<b>Max flow rate</b>	4 mL/min
<b>Maximum back pressure</b>	0.3 MPa, 3bar, 43 psi
<b>Recommended pH working range</b>	2 to 13 (normal working conditions)
<b>Cleaning-In Place stability</b>	No significant change in performance after 100 cycles with 0,5M NaOH (1cycle= 15 min contact time) use at room temperature
<b>Chemical stability</b>	Stable to commonly used aqueous buffers in Protein A chromatography
<b>Storage</b>	recommended: 2- 8°C
<b>Shipping</b>	room temperature
<b>Hazards</b>	Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided.

<sup>1</sup>Median particle size of the cumulative volume distribution.

<sup>2</sup>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.

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