IBA Headquarters
IBA GmbH
Rudolf-Wissell-Str. 28
37079 Goettingen
Germany
Tel. +49 (0) 551-5 06 72-0
Fax +49 (0) 551-5 06 72-181

IBA US contact information
Tel. 1-877-IBA-GmbH
(1-877-422-4624)
Fax 1-888-531-6813

E-mail: info@iba-lifesciences.com
http://www.iba-lifesciences.com

Data Sheet

Protein A Agarose

50% suspension

Cat. No.: 6-2010-001, 6-2010-002, 6-2010-005, 6-2010-025, 6-2010-100

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Description	Protein A Agarose resin for the purification of monoclonal- and polyclonal antibodies
Target substance	Polyclonal and monoclonal antibodies (IgG), bound via the Fc-region
Form	50 % suspension in buffer, pH 7.4: PBS pH 7.4, 1 mM EDTA, 0.01 % sodium azide.
Matrix	Rigid, highly cross-linked agarose
Agarose Average particle size [1](Dv50)	45 µm
Ligand	Alkaline stable recombinant protein A expressed in *E. coli* using animal-free medium
Dynamic binding capacity [2](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
Recommended flow rate (20°C)	250 cm/h
Max flow rate	500 cm/h
Maximum back pressure	0.3 MPa, 3bar, 43 psi
Recommended pH working range	2 to 13 (normal working conditions)
Cleaning-In Place stability	No significant change in performance after 100 cycles with 0,5M NaOH (1cycle= 15 min contact time) use at room temperature
Chemical stability	Stable to commonly used aqueous buffers in Protein A chromatography
Storage	recommended: 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.

[1]Median particle size of the cumulative volume distribution.

[2]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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