



## Sartobind<sup>®</sup> Protein A 2 ml

Laboratory Scale Affinity Membrane Adsorbers



The Sartobind Protein A affinity adsorber is the ideal tool for ultra rapid quantification of immunoglobulins (IgG). The large pore size allows ten times faster flow rate than conventional columns and cycle times of only 10 minutes. By this you achieve much more throughput per ml than with any other Protein A matrix. You may use the unit by a syringe and perform the quantification within 10 minutes. The enclosed Luer Lock adapters allow connection to a liquid chromatography system.

### Applications

Ultra rapid IgG separation and quantification

### Benefits

- 10 times higher flow rate than conventional columns
- Recombinant Protein A ligand
- High dynamic binding capacity of up to 90 mg per hour (6 cycles)
- Easy and simple handling like a filter
- Units can be utilized by hand, peristaltic pumps or liquid chromatography systems
- Use conventional buffer systems such as PBS for equilibration, loading, washing and 0.1 M glycine/HCl pH 2.8-3.5 for elution

\* binding capacity at 10% breakthrough at a flow rate of 10 ml/min; sample 1 mg/ml

\*\* pH below 3 is sometimes required to elute all strongly bound IgG. Under these condition proteins may hydrolyze

### Technical Data

Description	Sartobind Protein A 2 ml
Order number	93PRAP06HB-12--A
Quantity	4 units, 2 adapters (Luer Lock to UNF 10-32)
Membrane material	Stabilized reinforced cellulose
Ligand	Recombinant protein A
Ligand density	1.5 mg/ml
Pore size	0.45 µm
Bed height	4 mm
Bed volume	2 ml
Nominal adsorption area	100 cm <sup>2</sup>
Frontal surface area	5 cm <sup>2</sup>
Binding capacity for polyclonal human IgG*	5-7.5 mg/ml 10-15 mg/unit
Recommended flow rate	5-10 ml/min
Maximum pressure	0.6 MPa (6 bar, 87 psi)
Housing material	Polypropylene
Connectors	Luer lock male and female
pH stability	3-9 (long term), 2-10 (short term)
Chemical stability**	Stable in all common chromatography buffers except oxidizing or reactive reagents

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