



Protein A

Cat. No.	Format	Size
7300-01L	Purified Protein - Lyophilized	5.0 mg
7300-01S	Purified Protein - Lyophilized	1.0 mg
7300-05	Horseradish Peroxidase (HRP)	1.0 mL

Description

Specificity	Binds the Fc portion of human IgG ₁ , IgG ₂ , and IgG ₄ as well as mouse IgG _{2a} and IgG _{2b} ; also binds rabbit, porcine, guinea pig, and canine IgG
Source	<i>Staphylococcus aureus</i>
Structure	Monomeric protein lacking cysteine residues; Mr 42 kDa

Applications

Quality tested applications include –
ELISA¹⁻⁷

Other applications include –
Purification
WB⁸
IP

Working Dilutions

ELISA	HRP conjugate	1:4,000 – 1:8,000
Other Applications	Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.	

Handling and Storage

- The purified (UNLB) protein A is supplied as 5.0 mg or 1.0 mg of purified lyophilized protein. Store material for up to one year at -20°C prior to reconstitution. Reconstitute in PBS to the highest concentration possible. Following reconstitution, aliquot and store at -20°C for up to six months.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL in a stock solution of 50% glycerol/50% PBS, pH 7.4. *No preservative added.* Store at 2-8°C or long-term at -20°C.
- Reagents are stable for the period shown on the label if stored as directed.

References

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- Duthie MS, Truman RW, Goto W, O'Donnell J, Hay MN, Spencer JS, et al. Insight toward early diagnosis of leprosy through analysis of the developing antibody responses of *Mycobacterium leprae*-infected armadillos. *Clin Vaccine Immunol.* 2011;18:254-9. (ELISA)
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- Karuppanan K, Duhra-Gill S, Kailemia MJ, Phu ML, Lebrilla CB, Dandekar AM, et al. Expression, purification, and biophysical characterization of a secreted anthrax decoy fusion protein in *Nicotiana benthamiana*. *Int J Mol Sci.* 2017;18:89. (ELISA)
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- Naskar P, Puri N. Phosphorylation of SNAP-23 regulates its dynamic membrane association during mast cell exocytosis. *Biol Open.* 2017;6:1257-69. (WB)

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