

## Product datasheet

# Native Protein A (Alkaline Phosphatase) ab7345

### Description

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<b>Product name</b>	Native Protein A (Alkaline Phosphatase)
<b>Expression system</b>	Native
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Native
<b>Conjugation</b>	Alkaline Phosphatase

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab7345** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	Western blot
	Dot blot
	ELISA
	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
	Immunohistochemistry (Frozen sections)

<b>Form</b>	Liquid
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<b>Additional notes</b>	Protein A Concentration: 1.0 mg/ml (by UV absorbance at 280 nm) This product has been assayed against 1.0 ug of Human IgG in a standard capture ELISA using pNPP (p-nitrophenyl phosphate) as a substrate for 30 minutes at room temperature. A working dilution of 1:500 to 1:2,000 of the stock concentration is suggested for this product. Optimal titers for other applications should be determined by the researcher.
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### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
	Preservative: 0.1% Sodium azide
	Constituents: 0.00136% Zinc chloride, 0.0095% Magnesium chloride, 0.79% Tris HCl, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride, 1.5% BSA
	BSA is IgG and Protease free

## General Info

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**Relevance** Protein A is a surface protein of S.aureus which binds IgG molecules by their Fc region. In serum, the bacteria will bind IgG molecules in the wrong orientation on their surface which hinders opsonization and phagocytosis. Mutants of S. aureus lacking protein A are more efficiently phagocytosed in vitro, and mutants in infection models have diminished virulence. Due to its affinity for the Fc region of many mammalian immunoglobulins, protein A is considered a universal reagent in biochemistry and immunology.

**Cellular localization** Secreted; cell wall.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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