

[Go to Product page](#)

Datasheet for ABIN964522

Protein A Protein (Alkaline Phosphatase (AP))

Overview

Quantity:	1 mg
Target:	Protein A
Origin:	Staphylococcus aureus
Host:	Please inquire
Protein Type:	Native
Purification tag / Conjugate:	This Protein A protein is labelled with Alkaline Phosphatase (AP).
Application:	ELISA

Product Details

Specificity:	Protein A Alkaline Phosphatase Conjugated was prepared from chromatographically pure Protein A. Protein A Alkaline Phosphatase Conjugated assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Alkaline Phosphatase (calf intestine) and anti-Protein A. No reaction was observed against anti-Protein G.
--------------	--

Target Details

Target:	Protein A
Abstract:	Protein A Products
Background:	Protein A is a surface protein (approximately 56kDa in size) originally discovered within the cell wall of Staphylococcus aureus. While important for bacterial survival, Protein A has beneficial uses in immunology for its high affinity binding to immunoglobulins (especially the IgG isotype). This high affinity property makes Protein A essential in the large scale purification of antibodies. Alkaline Phosphatase is an enzyme which removes phosphate groups from a variety of

Target Details

substate molecules. As the name implies, this enzyme functions best under basic pH. Alkaline Phosphatase can be utilized in molecular biology in DNA ligation experiments (keeping the DNA linear), radiolabeling preparations, and a detection mediator in ELISA experiments.

Synonyms: ProA, ALP, Alk Phos

Application Details

Application Notes:	Protein A Alkaline Phosphatase Conjugated is suitable as a detection agent for primary antibodies that are of the IgG isotype. With the addition of pNPP in ELISA experiments, a yellow product is generated that can be detected on a plate reader.
Comment:	Protein A Alkaline Phosphatase Conjugated is suitable as a detection agent for primary antibodies that are of the IgG isotype. With the addition of pNPP in ELISA experiments, a yellow product is generated that can be detected on a plate reader.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol, pH 8.0, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Expiry Date:	12 months