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Datasheet for ABIN964531

## Protein G Protein (Alkaline Phosphatase (AP))

### Overview

Quantity:	500 µg
Target:	Protein G
Origin:	Streptococcus
Host:	Please inquire
Protein Type:	Native
Purification tag / Conjugate:	This Protein G protein is labelled with Alkaline Phosphatase (AP).
Application:	ELISA

### Product Details

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

### Target Details

Target:	Protein G
Abstract:	<a href="#">Protein G Products</a>
Background:	Protein G is a surface protein of two groups of Streptococcal bacteria that has the ability to bind immunoglobulins. Similar to Protein A, but with slightly different specificity, Protein G is an important agent in the purification of proteins due to its ability to bind the Fc region. Protein G also binds to albumin. Alkaline Phosphatase is an enzyme which removes phosphate groups from a variety of substrate molecules. As the name implies, this enzyme functions best under

## Target Details

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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. Protein G Alkaline Phosphatase Conjugated is ideal for investigators involved in Signal Transduction, Molecular Biology, Cancer, and Cell Signaling.

Synonyms: ProG, Streptococcus G protein, ALP, Alk Phos

## Application Details

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Application Notes:	Protein G 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 G 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

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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