



[Go to Product page](#)

Datasheet for ABIN964529  
**Protein G Protein (HRP)**

1 Image

Overview

Quantity:	1 mg
Target:	Protein G
Origin:	Streptococcus
Host:	Please inquire
Protein Type:	Native
Purification tag / Conjugate:	This Protein G protein is labelled with HRP.
Application:	ELISA, Western Blotting (WB)

Product Details

**Specificity:** Protein G Peroxidase was prepared from chromatographically pure Protein G. Protein G Peroxidase was assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase 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. Horseradish Peroxidase (HRP) is an enzyme that utilize organic peroxide compounds as electron donors. Naturally provides protection for plants against pathogens, but can be utilized in molecular biology to convert various substrates to detectable compounds

## Target Details

---

(such as in Western Blotting and ELISAs).

Synonyms: HRP, peroxidase, Horseradish peroxidase protein G

## Application Details

---

**Application Notes:** Protein G Peroxidase is a useful reagent in Western Blotting and ELISA experiments. Protein G Peroxidase can be utilized as a pseudo-secondary detection reagent when used in conjunction with an IgG-based primary antibody and appropriate substrate (such as TMB-1000 or Fentomax-110). Protein GA Peroxidase is stable at 4° C until restored, at which point it is recommended to freeze aliquots at -20° C.

**Comment:** Protein G Peroxidase is a useful reagent in Western Blotting and ELISA experiments. Protein G Peroxidase can be utilized as a pseudo-secondary detection reagent when used in conjunction with an IgG-based primary antibody and appropriate substrate (such as TMB-1000 or Fentomax-110). Protein GA Peroxidase is stable at 4° C until restored, at which point it is recommended to freeze aliquots at -20° C.

**Restrictions:** For Research Use only

## Handling

---

**Format:** Lyophilized

**Reconstitution:** Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 500 µL

**Concentration:** 1.0 mg/mL

**Buffer:** 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

**Storage:** 4 °C

**Expiry Date:** 12 months

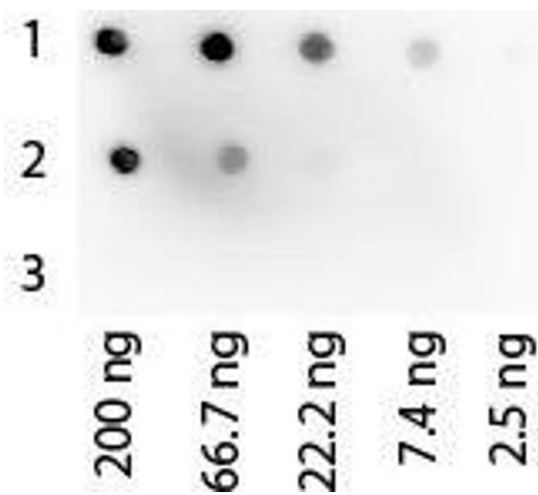


Image 1.