

Datasheet for ABIN7565730  
**anti-Protein G antibody (HRP)**



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## Overview

Quantity:	25 µL
Target:	Protein G
Reactivity:	Streptococcus
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Protein G antibody is conjugated to HRP
Application:	ELISA, Dot Blot (DB)

## Product Details

Purpose:	Protein G Antibody Peroxidase Conjugated
Immunogen:	Immunogen: Protein G [Streptococcus species] Immunogen Type: Native Protein
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Protein G [Streptococcus species].
Characteristics:	Synonyms: rabbit anti-Protein G Antibody HRP Conjugation, Peroxidase conjugated rabbit anti-Protein G Antibody, Protein G HRP
Purification:	Anti- Protein G is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above.
Sterility:	Sterile filtered

## Target Details

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Target: Protein G

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Abstract: [Protein G Products](#)

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Background: Protein G is a protein that has the property of binding to immunoglobulins. It is a 65- kDa cell surface protein that is commonly used for purifying antibodies through binding to the Fab and Fc regions. Protein G was originally isolated from Streptococcal bacteria. It is similar in properties to Protein A but has unique IgG binding specificities. Native protein G also binds albumin, however Rockland uses recombinant forms of Protein G that only bind to immunoglobulins. 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 (such as in Western Blotting and ELISAs). Anti-Protein G Antibody is ideal for researchers in Immunology, Cancer, and Microbiology.

## Application Details

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Application Notes: Application Note: Anti-Protein G Peroxidase Conjugated Antibody has been tested by dot blot and is suitable to be assayed against 1.0 µg of Protein G [Streptococcus species] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:20,000 to 1:100,000 of the reconstitution concentration is suggested for this product. ELISA Dilution: 1:2,000 - 1:10,000

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1.0 mg/mL

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Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2  
Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free  
Preservative: 0.01 % (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C

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## Handling

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Storage Comment: Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

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Expiry Date: 12 months