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Datasheet for ABIN5596974  
**anti-Protein G antibody (HRP)**

### Overview

Quantity:	100 µg
Target:	Protein G
Reactivity:	Streptococcus
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Protein G antibody is conjugated to HRP
Application:	ELISA

### Product Details

Immunogen:	Immunogen: Protein G [Streptococcus species] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Protein G from other tissues and species may occur but have not been specifically determined.
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. 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].

## Target Details

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Target: Protein G

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Abstract: [Protein G Products](#)

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Background: Synonyms: HRP, Protein G Peroxidase, Anti-Protein G HRP Antibody  
Background: 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 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: 1:20,000-1:100,000

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Reconstitution: Reconstitution Volume: 100 µL  
Reconstitution Buffer: Restore with deionized water (or equivalent)

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Concentration: 1.0 mg/mL

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Buffer: 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

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Preservative: Gentamicin sulfate

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

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Storage: 4 °C, -20 °C

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Storage Comment: Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after

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## Handling

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standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

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Expiry Date: 12 months