OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA396907S

Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	**ELISA**: 1:2,000 - 1:10,000
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Protein G [Streptococcus species]
Specificity:	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]. Cross reactivity against Protein G from other tissues and species may occur but have not been specifically determined.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	1.0 mg/mL - lot specific
Conjugation:	HRP
Storage:	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.
Stability:	Expiration date is one (1) year from date of receipt.

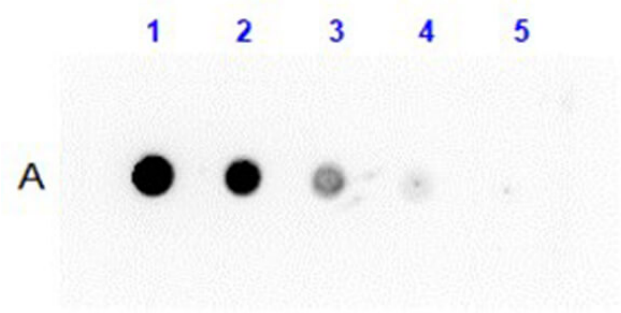
View online »

Background: Protein G is a protein that has the property of binging 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.

Synonyms: rabbit anti-Protein G Antibody HRP Conjugation, Peroxidase conjugated rabbit anti-Protein G Antibody, Protein G HRP

Note: Anti-Protein G Peroxidase Conjugated Antibody has been tested by dot blot and is suitable to be assayed against 1.0 ug 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.

Product images:



Dot Blot Results of Anti-Protein G Antibody Peroxidase Conjugated. Lane A: Protein G at 100ng, 33.33ng,11.11ng, 3.70ng, 1.23ng. Primary Antibody: Anti-Protein G HRP Conjugated at 1µg/mL for 1hr at RT. Secondary Antibody: none. Block: BlockOut Buffer (p/n MB-073) for 30mins. Exposure: 6secs.