

**Anti-PROTEIN G (RABBIT) Antibody**  
**Protein G Antibody**  
**Catalog # ASR4371****Specification**

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**Anti-PROTEIN G (RABBIT) Antibody - Product Information**

Host	Rabbit
Conjugate	Unconjugated
Clonality	Polyclonal
Application	WB, IHC, E, I, LCI
Application Note	Anti-Protein G is suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring lot-to-lot consistency.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Protein G [Streptococcus species]
Reconstitution Volume	100 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Preservative	0.01% (w/v) Sodium Azide

**Anti-PROTEIN G (RABBIT) Antibody - Additional Information****Purity**

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-Rabbit Serum as well as purified and partially purified Protein G. No cross reactivity occurs against Protein A.

**Storage Condition**

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

**Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

**Anti-PROTEIN G (RABBIT) Antibody - Protein Information****Anti-PROTEIN G (RABBIT) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Anti-PROTEIN G (RABBIT) Antibody - Images**

#### **Anti-PROTEIN G (RABBIT) Antibody - 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.