

Anti-PROTEIN G (RABBIT) Antibody Biotin Conjugated - 200-406-138

Code: 200-406-138

Size: 10 mg

Product Description: Anti-PROTEIN G (RABBIT) Antibody Biotin Conjugated - 200-406-138

Concentration: 10.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Lyophilized

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| Label | Biotin |
| Host | Rabbit |
| Buffer | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| Reconstitution Volume | 1.0 mL |
| Reconstitution Buffer | Restore with deionized water (or equivalent) |
| Stabilizer | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| Preservative | 0.01% (w/v) Sodium Azide |
| 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. |
| Synonyms | rabbit anti-Protein G Antibody biotin conjugation, Rabbit anti Protein G biotin, Rabbit anti PG biotin |
| Application Note | This product has been assayed against 1.0 ug of Protein G in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:90,000 to 1:350,000 of the reconstitution concentration is suggested for this product. |
| 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. Biotin is widely used throughout the biotechnology industry to conjugate proteins for biochemical assays. Biotin's small size typically does not affect the biological activity of protein upon biotinylation. Biotinylated proteins of interest can be enriched from a sample due to highly stable interactions. Biotin conjugated anti-Protein G antibodies are used as an amplifying reagent in immunohistochemistry, microarray assays, ELISAs, blots, and other applications. |
| Purity And Specificity | This product 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-Biotin, anti-Rabbit Serum as well as purified and partially purified Protein G [Streptococcus species]. Cross reactivity against Protein G from other sources may occur but have not been specifically determined. |
| ELISA | 1:90,000-1:350,000 |
| Expiration | Expiration date is one (1) year from date of opening. |
| Immunogen | Protein G [Streptococcus species] |

Related Products

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| 200-301-268 | Anti-AKT pS473 (MOUSE) Monoclonal Antibody - 200-301-268 |
| 610-4302 | Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302 |
| 611-1302 | Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302 |
| B304 | NORMAL GOAT SERUM (NGS) - B304 |

Disclaimer

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