



## Anti-MOUSE IgG (H&L) (GOAT) Antibody Biotin Conjugated (Min X Bv Ch Gt GP Ham Hs Hu Rb Rt & Sh Serum Proteins) - 610-106-121

**Code:** 610-106-121

**Size:** 1 mg

**Product Description:** Anti-MOUSE IgG (H&L) (GOAT) Antibody Biotin Conjugated (Min X Bv Ch Gt GP Ham Hs Hu Rb Rt & Sh Serum Proteins) - 610-106-121

**Concentration:** 1.0 mg/mL by UV absorbance at 280 nm

**PhysicalState:** Lyophilized

|                               |  |
|-------------------------------|--|
| <b>Label</b>                  | Biotin   |
| <b>Host</b>                   | Goat   |
| <b>Buffer</b>                 | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2   |
| <b>Reconstitution Volume</b>  | 1.0 mL   |
| <b>Reconstitution Buffer</b>  | Restore with deionized water (or equivalent)   |
| <b>Stabilizer</b>             | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free   |
| <b>Preservative</b>           | 0.01% (w/v) Sodium Azide   |
| <b>Storage Condition</b>      | Store second antibody at 4° C prior to restoration. For extended storage aliquot secondary antibody 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.   |
| <b>Synonyms</b>               | Goat Anti-Mouse IgG Secondary Antibody biotin Conjugation, Goat Anti-Mouse IgG Antibody biotin Conjugated, Anti-mouse IgG secondary antibody, anti-mouse IgG biotin conjugated secondary antibody  |
| <b>Application Note</b>       | Conjugated Secondary Antibodies are ideal for western blot and are available in a variety of formats and conjugate types.  |
| <b>Background</b>             | Anti-Mouse IgG Biotin Antibody generated in goat detects reactivity to Mouse IgG. Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the compliment cascade, and opsinization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both the Heavy and Light chains of the antibody molecule are present. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. |
| <b>Purity And Specificity</b> | Mouse Secondary Antibody conjugate was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Goat Serum, Mouse IgG and Mouse Serum. No reaction was observed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Rabbit, Rat and Sheep Serum Proteins.  |
| <b>Assay Dilutions</b>        | User Optimized   |
| <b>ELISA</b>                  | 1:100,000 - 1:800,000  |
| <b>Western Blot</b>           | 1:2,000 - 1:10,000   |
| <b>Immunohistochemistry</b>   | 1:1,000 - 1:5,000  |
| <b>Other Assays</b>           | User Optimized   |
| <b>Expiration</b>             | Expiration date is one (1) year from date of opening.  |
| <b>Immunogen</b>              | Mouse IgG whole molecule   |

### Related Products

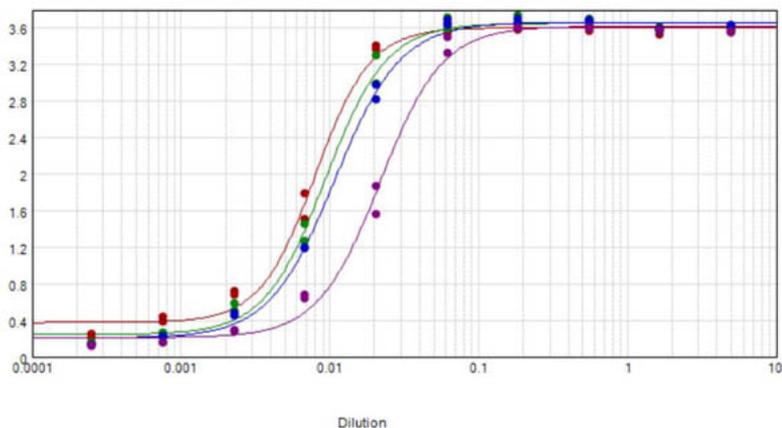
|          |   |
|----------|---|
| 610-4302 | Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302 |
| 611-1302 | Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302  |

B304 NORMAL GOAT SERUM (NGS) - B304  
BSA-50 BOVINE SERUM ALBUMIN - Fraction V (Immunoglobulin and  
Protease Free) - BSA-50

## Images

1

ELISA results of purified Goat Anti-Mouse IgG Biotin Conjugated Antibody MinX 10 tested against purified Mouse IgG. Each well was coated in duplicate with 1.0  $\mu\text{g}$  of Mouse IgG (red line). The starting dilution of antibody was 5  $\mu\text{g}/\text{ml}$  and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using Blocking buffer MB-060-1000, Streptavidin HRP, and TMB-1000 substrate.



## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.