

**Datasheet for 610-103-130****Mouse IgG IgA IgM (H&L) Antibody Peroxidase Conjugated****Overview**

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|----------------------|--------------------------------------------------------------------------------|
| <b>Description:</b>  | Goat Anti-Mouse IgG IgA IgM (H&L) Antibody Peroxidase Conjugated - 610-103-130 |
| <b>Item No.:</b>     | 610-103-130                                                                    |
| <b>Size:</b>         | 2 mg                                                                           |
| <b>Applications:</b> | ELISA, WB                                                                      |
| <b>Reactivity:</b>   | Mouse                                                                          |
| <b>Host Species:</b> | Goat                                                                           |

**Product Details**

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|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | Anti-Mouse IgG IgA and IgM whole molecule antibody generated in goat detects specifically Mouse IgG IgA and IgM whole molecule. This secondary antibody anti-Mouse is ideal for investigators who routinely perform ELISA, Sandwich ELISA, titration assays, western-blot, immunoprecipitation and more generally immunoassays. |
| <b>Synonyms:</b>     | Goat anti-mouse IgG IgA IgM antibody peroxidase conjugation, goat anti-mouse IgGAM HRP conjugated antibody                                                                                                                                                                                                                      |
| <b>Host Species:</b> | Goat                                                                                                                                                                                                                                                                                                                            |
| <b>Specificity:</b>  | IgG IgA IgM                                                                                                                                                                                                                                                                                                                     |
| <b>Conjugate:</b>    | Peroxidase (HRP)                                                                                                                                                                                                                                                                                                                |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                      |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                             |

**Target Details**

|                        |                                                                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity:</b>     | Mouse                                                                                                                              |
| <b>Immunogen Type:</b> | Native Protein                                                                                                                     |
| <b>Immunogen:</b>      | Anti-Mouse IgG IgA and IgM whole molecule was produced by repeated immunization with Mouse IgG IgA and IgM whole molecule in goat. |

**Purity/Specificity:** This product was prepared from polyspecific antiserum by immunoaffinity chromatography using Mouse antigens 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-Peroxidase and anti-Goat Serum. This reagent is suitable for the detection of all Mouse immunoglobulin isotypes and chain combinations.

## Application Details

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| <b>Tested Applications:</b>    | ELISA                                                                                                                                                                                                                                                                                                           |
| <b>Suggested Applications:</b> | WB (Based on references)                                                                                                                                                                                                                                                                                        |
| <b>Application Note:</b>       | Anti-Mouse IgG IgA and IgM Peroxidase Conjugated Antibody has been tested by ELISA and is suitable for immunoblotting (western or dot blot), ELISA, immunoperoxidase electron microscopy and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays requiring lot-to-lot consistency. |
| <b>Assay Dilutions:</b>        | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                 |
| <b>ELISA:</b>                  | 1:100,000                                                                                                                                                                                                                                                                                                       |
| <b>IHC:</b>                    | 1:250 - 1:1,500                                                                                                                                                                                                                                                                                                 |
| <b>WB:</b>                     | 1:500 - 1:3,000                                                                                                                                                                                                                                                                                                 |

## Formulation

|                               |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                                            |
| <b>Concentration:</b>         | 2.0 mg/mL by UV absorbance at 280 nm                                   |
| <b>Buffer:</b>                | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2             |
| <b>Preservative:</b>          | 0.01% (w/v) Thimerosal                                                 |
| <b>Stabilizer:</b>            | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| <b>Reconstitution Volume:</b> | 1.0 mL                                                                 |
| <b>Reconstitution Buffer:</b> | Restore with deionized water (or equivalent)                           |

## Shipping & Handling

|                            |         |
|----------------------------|---------|
| <b>Shipping Condition:</b> | Ambient |
|----------------------------|---------|

**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.

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**Expiration:** Expiration date is one (1) year from date of receipt.

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## References

- Reeves TM et al. Proteolysis of submembrane cytoskeletal proteins ankyrin-G and  $\alpha$ -spectrin following diffuse brain injury: a role in white matter vulnerability at Nodes of Ranvier. *Brain Pathology (Zurich, Switzerland)* (2010)

## 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.