

**Anti-Rat IgG IgA IgM (H&L) (GOAT) Antibody Alkaline Phosphatase Conjugated - 612-105-130**
**Code:** 612-105-130

**Size:** 1 mg

**Product Description:** Anti-Rat IgG IgA IgM (H&L) (GOAT) Antibody Alkaline Phosphatase Conjugated - 612-105-130

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

**PhysicalState:** Liquid (sterile filtered)

|                               |  |
|-------------------------------|--|
| <b>Label</b>                  | Alkaline Phosphatase (Calf Intestine)  |
| <b>Host</b>                   | Goat   |
| <b>Buffer</b>                 | 0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0  |
| <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 vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.   |
| <b>Synonyms</b>               | goat anti-Rat IgG IgA IgM Antibody alkaline phosphatase conjugation, Goat Anti-rat IgGAM alkaline phosphatase conjugated antibody  |
| <b>Application Note</b>       | Anti-Rat IgG IgA IgM antibody is suitable for use in ELISA, immunohistochemistry, and western blot. Specific conditions for reactivity should be optimized by the end user.  |
| <b>Background</b>             | Anti-Rat IgG IgA IgM (H&L) Antibody generated in goat detects rat (heavy and light chain) immunoglobulin G, A, and M. Immunoglobulin G binds to antigens and can neutralize or opsonize targets, and are predominantly involved in the secondary immune response. Immunoglobulin A (IgA) is an antibody that plays a critical role in mucosal immunity. IgA has two subclasses (IgA1 and IgA2) and can exist in a dimeric form called secretory IgA (sIgA). Immunoglobulin M, or IgM, is a pentamer composed of 5 immunoglobulin molecules linked through their F(c) domain by the J chain. 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. This Anti-Rat IgG IgA IgM is conjugated to Alkaline Phosphatase. |
| <b>Purity And Specificity</b> | This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rat 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-Alkaline Phosphatase (calf intestine) and anti-Goat Serum. This reagent is suitable for the detection of all Rat immunoglobulin isotypes, subclasses and chain combinations.   |
| <b>Assay Dilutions</b>        | User Optimized   |
| <b>ELISA</b>                  | 1:2,000 - 1:10,000   |
| <b>Western Blot</b>           | 1:1,000 - 1:5,000  |
| <b>Immunohistochemistry</b>   | 1:500 - 1:2,500  |
| <b>Other Assays</b>           | User Optimized   |
| <b>Expiration</b>             | Expiration date is one (1) year from date of opening.  |
| <b>Immunogen</b>              | Rat IgG, IgA and IgM 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 |

**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.