

Datasheet for 609-305-002

Human IgG (H&L) Antibody Alkaline Phosphatase Conjugated

Overview

| | |
|----------------------|---|
| Description: | Mouse Anti-Human IgG (H&L) Antibody Alkaline Phosphatase Conjugated - 609-305-002 |
| Item No.: | 609-305-002 |
| Size: | 1 mg |
| Applications: | ELISA |
| Reactivity: | Human |
| Host Species: | Mouse |

Product Details

| | |
|----------------------|---|
| Background: | Anti-Human IgG (H&L) Alkaline Phosphatase generated in mouse detects human Immunoglobulin G (IgG), both heavy and light chains of the antibody molecule are present. It is a protein complex composed of four peptide chains — two identical heavy chains and two identical light chains arranged in a Y-shape typical of antibody monomers. Each IgG has two antigen binding sites. Representing approximately 75% of serum immunoglobulins in humans, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells. 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. |
| Synonyms: | mouse anti-Human IgG alkaline phosphatase conjugated Antibody, mouse anti-Human IgG Antibody alk phos conjugation |
| Host Species: | Mouse |
| Specificity: | IgG (H&L) |
| Conjugate: | Alkaline Phosphatase (AP) |
| Clonality: | Polyclonal |
| Format: | IgG |

Target Details

| | |
|--------------------|-------|
| Reactivity: | Human |
|--------------------|-------|

| | |
|----------------------------|---|
| Immunogen: | Human IgG whole molecule |
| Purity/Specificity: | This product was prepared from monospecific polyclonal ascites by immunoaffinity chromatography using Human 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-Mouse Serum, anti-Alkaline Phosphatase, Human IgG and Human Serum. |

Application Details

| | |
|-----------------------------|---|
| Tested Applications: | ELISA |
| Application Note: | Anti-Human IgG Alkaline Phosphatase conjugate has been tested by ELISA and is suitable for immunoblotting (western or dot blot), ELISA, immunoelectron microscopy and immunohistochemistry as well as other antibody-based enzymatic assays requiring lot-to-lot consistency. |
| Assay Dilutions: | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| ELISA: | 1:2,000 - 1:10,000 |
| IHC: | 1:200-1:1,000 |
| WB: | 1:500-1:2,500 |

Formulation

| | |
|------------------------|---|
| Physical State: | Liquid (sterile filtered) |
| Concentration: | 1 mg/mL by UV absorbance at 280 nm |
| Buffer: | 0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0 |
| Preservative: | 0.01% (w/v) Sodium Azide |
| Stabilizer: | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |

Shipping & Handling

| | |
|----------------------------|--|
| Shipping Condition: | Wet Ice |
| Storage Condition: | 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. |
| Expiration: | Expiration date is one (1) year from date of receipt. |

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.