

**Anti-HUMAN IgG (H&L) (MOUSE) Antibody Alkaline Phosphatase Conjugated - 609-305-002**
**Code:** 609-305-002

**Size:** 1 mg

**Product Description:** Anti-HUMAN IgG (H&L) (MOUSE) Antibody Alkaline Phosphatase Conjugated - 609-305-002

**Concentration:** 1 mg/mL by UV absorbance at 280 nm

**PhysicalState:** Liquid (sterile filtered)

<b>Label</b>	Alkaline Phosphatase (Calf Intestine)
<b>Host</b>	Mouse
<b>Species Reactivity</b>	Human
<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>	mouse anti-Human IgG alkaline phosphatase conjugated Antibody, mouse anti-Human IgG Antibody alk phos conjugation
<b>Application Note</b>	Anti-Human IgG Alk Phos conjugate 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.
<b>Background</b>	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.
<b>Purity And Specificity</b>	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.
<b>ELISA</b>	1:2,000-1:10,000
<b>Western Blot</b>	1:500-1:2,500
<b>Immunohistochemistry</b>	1:200-1:1,000
<b>Expiration</b>	Expiration date is one (1) year from date of opening.
<b>Immunogen</b>	Human 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

**Disclaimer**

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