

**Anti-Human IgG (H&L) (Alkaline Phosphatase Conjugated) Secondary Antibody**  
**Goat Polyclonal, Alkaline Phosphatase (Calf Intestine)**  
**Catalog # ASR2176****Specification****Anti-Human IgG (H&L) (Alkaline Phosphatase Conjugated) Secondary Antibody - Product Information**

Description	<b>Anti-HUMAN IgG (H&amp;L) (GOAT) Antibody</b>
Host	<b>Alkaline Phosphatase Conjugated</b>
Conjugate	<b>Goat</b>
Target Species	<b>Alkaline Phosphatase (Calf Intestine)</b>
Clonality	<b>Human</b>
Application	<b>Polyclonal</b>
Application Note	<b>WB, E, IC</b>
	<b>ELISA 1:4,500;Western Blot</b>
	<b>1:500-1:2,500;Immunochemistry</b>
	<b>1:200-1:1,000</b>
Physical State	<b>Liquid (sterile filtered)</b>
Host Isotype	<b>IgG</b>
Target Isotype	<b>IgG (H&amp;L)</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>
Immunogen	<b>Human IgG whole molecule</b>
Species of Origin	<b>goat</b>
Stabilizer	<b>10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</b>
Preservative	<b>0.01% (w/v) Sodium Azide</b>

**Anti-Human IgG (H&L) (Alkaline Phosphatase Conjugated) Secondary Antibody - Additional Information****Shipping Condition**

Wet Ice

**Purity**

Anti-Human IgG (H&L) was prepared from monospecific antiserum by immunoaffinity chromatography using Human IgG coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Alkaline Phosphatase (calf intestine), anti-Goat Serum, Human IgG and Human Serum.

**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.

**Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

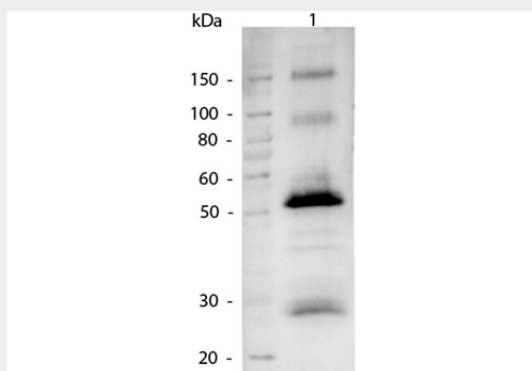
## **Anti-Human IgG (H&L) (Alkaline Phosphatase Conjugated) Secondary Antibody - Protein Information**

## **Anti-Human IgG (H&L) (Alkaline Phosphatase Conjugated) Secondary Antibody - Protocols**

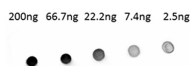
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **Anti-Human IgG (H&L) (Alkaline Phosphatase Conjugated) Secondary Antibody - Images**



Western Blot of Alkaline Phosphatase conjugated Goat anti-Human IgG antibody. Lane 1: Human IgG. Lane 2: none. Load: 50 ng per lane. Primary antibody: none. Secondary antibody: Alkaline Phosphatase Human secondary antibody at 1:1,000 o/n at 4°C. Block: MB-070 for 30 min at RT. Reaction visualized using alkaline phosphatase for 30 seconds at RT. Predicted/Observed size: 50kDa, 25kDa for Human IgG.



Dot Blot of Alkaline Phosphatase conjugated Goat anti-Human IgG antibody. Antigen: Human IgG. Load: Lane 1 - 200ng Lane 2 - 66.7ng Lane 3 - 22.2ng Lane 4 - 7.4ng Lane 5 - 2.5ng. Primary antibody: none. Secondary antibody: Alkaline Phosphatase conjugated Goat anti-Human IgG antibody at 1:1,000 for 60 min at RT. Block: MB-070 for 60 min at RT. Reaction visualized using alkaline phosphatase substrate for 30 seconds at RT.

#### **Anti-Human IgG (H&L) (Alkaline Phosphatase Conjugated) Secondary Antibody - Background**

Anti-Human IgG (H&L) detects human Immunoglobulin G (IgG) antibody isotype. 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.[1] IgG molecules are synthesized and secreted by plasma B cells.