

## Datasheet for 609-4117

**Human IgG (H&L) Antibody Pre-Adsorbed****Overview**

<b>Description:</b>	Rabbit Anti-Human IgG (H&L) Antibody (Min X MOUSE Serum Proteins) - 609-4117
<b>Item No.:</b>	609-4117
<b>Size:</b>	2 mg
<b>Applications:</b>	ELISA
<b>Reactivity:</b>	Human
<b>Host Species:</b>	Rabbit

**Product Details**

<b>Background:</b>	Anti-Human IgG (H&L) generated in rabbit 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>Synonyms:</b>	Human IgG (H&L) Antibody, Rabbit-a-Human IgG (H&L), Human IgG (H&L) Antibody in rabbit, Rabbit anti-human IgG Secondary Antibody.
<b>Host Species:</b>	Rabbit
<b>Specificity:</b>	IgG (H&L)
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

**Target Details**

<b>Reactivity:</b>	Human
<b>Immunogen Type:</b>	Native Protein

<b>Immunogen:</b>	Anti-Human IgG was produced by repeated immunization with human IgG whole molecule fragment in rabbit.
<b>Purity/Specificity:</b>	This product was prepared from monospecific antiserum 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-Rabbit Serum, Human IgG and Human Serum. No reaction was observed against Mouse Serum Proteins. Specificity was confirmed using ELISA minimal cross reaction against Mouse IgG.

## Application Details

<b>Tested Applications:</b>	ELISA
<b>Application Note:</b>	Anti-Human IgG (H&L) has been tested by ELISA and is suitable for immunoblotting (western or dot blot), ELISA, 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>	1:75,000 - 1:500,000
<b>IHC:</b>	1:1,000 - 1:10,000
<b>WB:</b>	1:10,000 - 1:50,000

## Formulation

<b>Physical State:</b>	Liquid (sterile filtered)
<b>Concentration:</b>	2.03 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) Sodium Azide
<b>Stabilizer:</b>	None

## Shipping & Handling

<b>Shipping Condition:</b>	Wet Ice
<b>Storage Condition:</b>	Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
<b>Expiration:</b>	Expiration date is one (1) year from date of receipt.

## Disclaimer

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