



## Anti-HUMAN IgG (H&L) (SHEEP) Antibody Fluorescein Conjugated - 609-6202

**Code:** 609-6202

**Size:** 2 mg

**Product Description:** Anti-HUMAN IgG (H&L) (SHEEP) Antibody Fluorescein Conjugated - 609-6202

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

**PhysicalState:** Lyophilized

<b>Label</b>	Fluorescein (FITC)
<b>Host</b>	Sheep
<b>Emission Wavelength</b>	528
<b>Excitation Wavelength</b>	495
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Reconstitution Volume</b>	2.0 mL
<b>Reconstitution Buffer</b>	Restore with deionized water (or equivalent)
<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 prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
<b>Synonyms</b>	sheep anti-Human IgG Antibody fluorescein Conjugation, sheep anti-Human IgG FITC Conjugated Antibody
<b>Application Note</b>	Anti-Human IgG (H&L) Fluorescein is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.
<b>Background</b>	Anti-Human IgG (H&L) Fluorescein generated in sheep 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 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-Fluorescein, anti-Sheep Serum, Human IgG and Human Serum.
<b>Assay Dilutions</b>	FLOW CYTOMETRY 1:500 - 1:2,500
<b>FLISA</b>	1:10,000 - 1:50,000
<b>IF Microscopy</b>	1:1,000 - 1:5,000
<b>Flow Cytometry</b>	1:500 - 1:2,500
<b>Other Assays</b>	FLOW CYTOMETRY 1:500 - 1:2,500
<b>Expiration</b>	Expiration date is one (1) year from date of opening.
<b>Immunogen</b>	Human IgG whole molecule
<b>Specific Reference</b>	Delisle, J., Mendell, N. L., Stull-Lane, A., Bloch, K. C., Bouyer, D. H., & Moncayo, A. C. (2016). Human Infections by Multiple Spotted Fever Group Rickettsiae in Tennessee. The American journal of tropical medicine and hygiene, 15-0372.
<b>Related Products</b>	

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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