

## Anti-HUMAN IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 209-1302

**Code:** 209-1302

**Size:** 20 mg

**Product Description:** Anti-HUMAN IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 209-1302

**Concentration:** 10 mg/mL by UV absorbance at 280 nm

**PhysicalState:** Lyophilized

|                               |   |
|-------------------------------|---|
| <b>Label</b>                  | Peroxidase (Horseradish)  |
| <b>Host</b>                   | Goat  |
| <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>Preservative</b>           | 0.01% (w/v) Gentamicin Sulfate. Do NOT add 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>               | goat anti-Human IgG Peroxidase Conjugated Antibody, goat anti-Human IgG HRP Conjugated Antibody, goat anti-Human IgG Antibody Peroxidase Conjugation  |
| <b>Application Note</b>       | Secondary antibody reagents are ideal for ELISA, western blotting, Immunohistochemistry, Fluorescence Microscopy, Flow Cytometry as well as other antibody detection methods.   |
| <b>Background</b>             | Anti-Human IgG (H&L) Fluorescein generated in goat 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 is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum, Human IgG and Human Serum.   |
| <b>Assay Dilutions</b>        | User Optimized  |
| <b>ELISA</b>                  | 1:10,000 - 1:50,000   |
| <b>Western Blot</b>           | 1:1,000 - 1:10,000  |
| <b>Immunohistochemistry</b>   | 1:500 - 1:2,500   |
| <b>Other Assays</b>           | User Optimized  |
| <b>Expiration</b>             | Expiration date is one (1) year from date of opening.   |
| <b>Immunogen</b>              | Human IgG whole molecule  |
| <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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