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**Datasheet for 610-1319-0500**

## **Mouse IgG (H&L) Secondary Antibody Peroxidase Conjugated Pre-adsorbed**

### **Overview**

<b>Description:</b>	Goat Anti-Mouse IgG (H&L) Antibody Peroxidase Conjugated (Min X Human Serum Proteins) - 610-1319-0500
<b>Item No.:</b>	610-1319-0500
<b>Size:</b>	500 µg
<b>Applications:</b>	ELISA, IHC, Other, WB
<b>Reactivity:</b>	Mouse
<b>Host Species:</b>	Goat

### **Product Details**

<b>Background:</b>	Anti-Mouse IgG Peroxidase Antibody generated in goat detects reactivity to Mouse IgG. Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the complement cascade, and opsonization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both the Heavy and Light chains of the antibody molecule are present. 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>	Goat Anti-Mouse IgG Secondary Antibody Peroxidase Conjugated, Goat Anti-Mouse IgG Secondary Antibody HRP Conjugated, GAM-HRP, Anti-mouse secondary antibody, anti-mouse HRP antibody, horseradish peroxidase conjugated secondary antibody, anti-mouse horseradish peroxidase conjugated secondary antibody
<b>Host Species:</b>	Goat
<b>Specificity:</b>	IgG (H&L)
<b>Conjugate:</b>	Peroxidase (HRP)
<b>Clonality:</b>	Polyclonal

**Format:** IgG

## Target Details

**Reactivity:** Mouse

**Immunogen:** Mouse IgG whole molecule

**Purity/Specificity:** This product was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum, Mouse IgG and Mouse Serum. No reaction was observed against Human Serum Proteins.

## Application Details

**Tested Applications:** ELISA

**Suggested Applications:** IHC, Other, WB (Based on references)

**Application Note:** Mouse secondary antibody conjugated to horseradish peroxidase is available in a variety of formats. Anti-Mouse IgG Peroxidase Antibody has been tested by ELISA and is suitable for ELISA, Immunohistochemistry, western blotting, as well as other peroxidase antibody based assays.

**Assay Dilutions:** All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

**ELISA:** 1:100,000

**IHC:** User Optimized

**WB:** 1:2,000 - 1:10,000

## Formulation

**Physical State:** Lyophilized

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

**Buffer:** 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

**Preservative:** 0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!

**Stabilizer:** 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

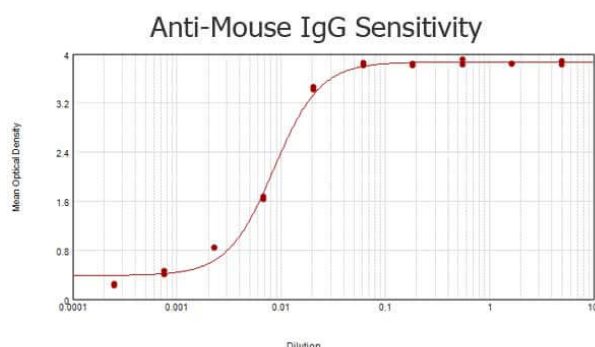
**Reconstitution Volume:** 500 µL

**Reconstitution Buffer:** Restore with deionized water (or equivalent)

## Shipping & Handling

<b>Shipping Condition:</b>	Ambient
<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>Expiration:</b>	Expiration date is one (1) year from date of receipt.

## Images



### ELISA

ELISA results of purified Goat anti-Mouse IgG Antibody Peroxidase Conjugated (Min x Human Serum Proteins) tested against purified Mouse IgG. Each well was coated in duplicate with 1.0 µg of Mouse IgG (p/n 009-0102). The starting dilution of antibody was 5µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using 3% fish gelatin and TME ELISA Peroxidase Substrate (p/n TMBE-1000).

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## Disclaimer

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