

Datasheet for 610-1302**Mouse IgG (H&L) Antibody Peroxidase Conjugated****Overview**

Description:	Goat Anti-Mouse IgG (H&L) Antibody Peroxidase Conjugated - 610-1302
Item No.:	610-1302
Size:	2 mg
Applications:	ELISA, WB, IF, IHC, Other
Reactivity:	Mouse
Host Species:	Goat

Product Details

Background:	Secondary antibodies bind to the primary antibody to assist in detection, sorting and purification of target antigens. To enable detection, the secondary antibody must have specificity for the antibody species and isotype of the primary antibody being used and generally is conjugated. Rockland produces highly active antibodies and conjugates against mouse immunoglobulins. Anti-Mouse Secondary Antibodies are affinity-purified polyclonal antibodies with well-characterized specificity for mouse immunoglobulin classes, subclasses, and fragments. They are available as unlabeled antibodies as well as conjugates of alkaline phosphatase (AP), horseradish peroxidase (HRP), fluorescent conjugates, and biotin. This Anti-MOUSE IgG generated in goat is designed to detect heavy and light chains (H&L) and has been Peroxidase (HRP) conjugated. Rigorous quality control testing ensures that the finished product meets or exceeds out high standards for optimum performance in your assays. These secondary antibodies are used throughout various types of assays, including ELISA or Western Blot, Immunohistochemistry, Flow Cytometry. Optimal secondary antibody requires knowledge of the detection assay.
Synonyms:	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
Host Species:	Goat
Specificity:	IgG (H&L)
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal

Format:	IgG
F/P Ratio:	0.43

Target Details

Reactivity:	Mouse
Immunogen Type:	Native Protein
Immunogen:	Anti-Mouse IgG whole molecule was produced by repeated immunization with Mouse IgG whole molecule in goat.
Purity/Specificity:	MOUSE IgG (H&L) Antibody Peroxidase Conjugated was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse 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-Peroxidase, anti-Goat Serum, Mouse IgG and Mouse Serum.
Relevant Links:	• 610-1302 SDS

Application Details

Tested Applications:	ELISA, WB
Suggested Applications:	IF, IHC, Other (Based on references)
Application Note:	Anti-Mouse secondary antibody conjugated to horseradish peroxidase (HRP) generated in goat detects specifically Mouse IgG whole molecule. This anti-Mouse HRP antibody has been tested by ELISA and western blot and is suitable for ELISA, Sandwich ELISA, titration assays, western-blot, immunoprecipitation, Immunohistochemistry as well as other HRP antibody based assays. Specific conditions for reactivity and signal detection should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:1,000 - 1:20,000
IHC:	1:500 - 1:2,500
WB:	1:2,000 - 1:10,000

Formulation

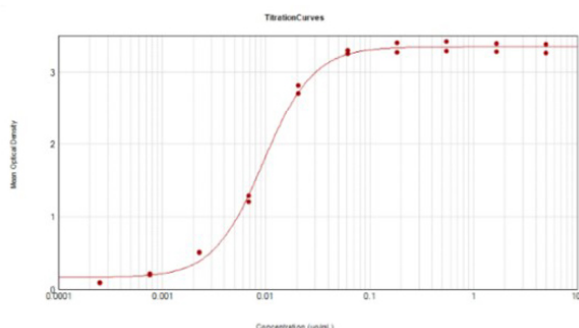
Physical State:	Lyophilized
Concentration:	2 mg/mL by UV absorbance at 280 nm

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:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

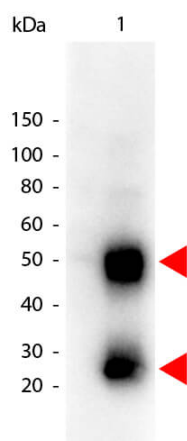
Shipping Condition:	Ambient
Storage Condition:	Store HRP Conjugated Mouse Secondary Antibody at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



ELISA

ELISA Results of Goat Anti-Mouse IgG Peroxidase Conjugated Antibody tested against purified Mouse IgG protein. Each well was coated in duplicate with 10 µg of Mouse IgG (p/n 010-0102). The starting dilution of antibody was 5 µg/mL and the X-axis represents the Log₁₀ of a 3-fold dilution. The titer is 1:106,000. 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 as blocking buffer and TMB substrate p/n TMBE-1000.



Western Blot

Western Blot of Peroxidase conjugated Goat anti-Mouse IgG antibody. Lane 1: Mouse IgG. Lane 2: none. Load: 50 ng per lane. Primary antibody: none. Secondary antibody: Peroxidase goat secondary antibody at 1:1,000 for 60 min at RT. Block: MB-070 30 min at RT. Predicted/Observed size: 50 kDa, 25 kDa for Mouse IgG. Other band(s): none.

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