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Datasheet for 610-1619**Mouse IgG (H&L) Secondary Antibody Biotin Conjugated Pre-Adsorbed****Overview**

Description:	Goat Anti-Mouse IgG (H&L) Antibody Biotin Conjugated (Min X Human Serum Proteins) - 610-1619
Item No.:	610-1619
Size:	2 mg
Applications:	ELISA, IHC
Reactivity:	Mouse
Host Species:	Goat

Product Details

Background:	Anti-Mouse IgG Biotin 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.
Synonyms:	Goat Anti-Mouse IgG Secondary Antibody biotin Conjugation, Goat Anti-Mouse IgG Antibody biotin Conjugated, Anti-mouse IgG secondary antibody, anti-mouse IgG biotin conjugated secondary antibody
Host Species:	Goat
Specificity:	IgG (H&L)
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Mouse
Immunogen:	Mouse IgG whole molecule
Purity/Specificity:	Anti Mouse IgG antibody conjugated to biotin 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-biotin, anti-Goat Serum, Mouse IgG and Mouse Serum. No reaction was observed against Human Serum Proteins. Specificity was confirmed by ELISA at less than 1.0% cross reactivity against human IgG.

Application Details

Tested Applications:	ELISA
Suggested Applications:	IHC (Based on references)
Application Note:	Mouse secondary antibody conjugated to Biotin is available in a variety of formats. Anti-Mouse IgG Biotin Antibody has been tested by ELISA and is suitable for ELISA, Immunohistochemistry western blotting as well as other anti mouse antibody based assays.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:550,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

Formulation

Physical State:	Lyophilized
Concentration:	2.0 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) 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 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.
Expiration:	Expiration date is one (1) year from date of receipt.

References

- Rowlands JC et al. Altered mammary gland differentiation and progesterone receptor expression in rats fed soy and whey proteins. *Toxicol Sci.* (2002)
- Alam R et al. Increased MCP-1, RANTES, and MIP-1alpha in bronchoalveolar lavage fluid of allergic asthmatic patients. *Am J Respir Crit Care Med.* (1996)

Disclaimer

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