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Datasheet for 610-110-121

Mouse IgG [H&L] Antibody CY5 Conjugated Pre-adsorbed

Overview

Description:	Goat Anti-Mouse IgG (H&L) Antibody CY5 Conjugated (Min X Bv Ch Gt GP Ham Hs Hu Rb Rt & Sh Serum Proteins) - 610-110-121
Item No.:	610-110-121
Size:	1 mg
Applications:	Dot Blot, ELISA, WB, FC, IF
Reactivity:	Mouse
Host Species:	Goat

Product Details

Background:	Anti-Mouse IgG Cy5 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 compliment 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 (H&L) Antibody CY5 Conjugated Pre-Adsorbed, Goat Anti Mouse IgG Antibody CY5 Conjugated, Cy5 anti-Mouse IgG
Host Species:	Goat
Specificity:	IgG (H&L)
Conjugate:	Cy5™
Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	12.6

Target Details

Reactivity:	Mouse
Immunogen:	Mouse IgG whole molecule
Purity/Specificity:	Goat anti-Mouse IgG 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 and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Mouse IgG and Mouse Serum. No reaction was observed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Rat, Rabbit and Sheep Serum Proteins.

Application Details

Tested Applications:	Dot Blot, ELISA, WB
Suggested Applications:	FC, IF (Based on references)
Application Note:	Anti-Mouse IgG Cy5 Antibody has been tested by ELISA, dot blot, and western blot and is designed for flow cytometry, 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
FC:	1:500 - 1:2,500
FLISA:	1:10,000 - 1:50,000
IF:	1:1,000 - 1:5,000
WB:	User Optimized

Formulation

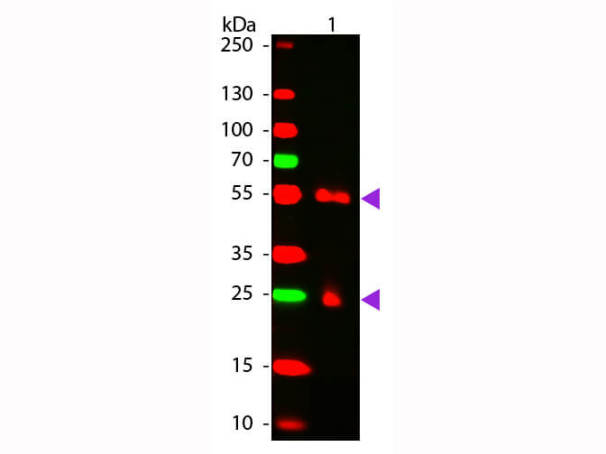
Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 mL

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.

Images



Western Blot
Western Blot of Cy5 conjugated Goat anti-Mouse IgG Pre-adsorbed secondary antibody. Lane 1: Mouse IgG. Lane 2: none. Load: 50 ng per lane. Primary antibody: none. Secondary antibody: Cy5 goat secondary antibody at 1:1,000 for 60 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 25 & 55 kDa, 25 & 55 kDa for Mouse IgG. Other band(s): none.

References

- Powell SK et al. Adeno-associated virus 9 (AAV9) viral proteins VP1, VP2, and membrane-associated accessory protein (MAAP) differentially influence in vivo transgene expression. *J Virol.* (2024)
- Gomes et al. Proteomic analysis of physiological versus pathological cardiac remodeling in animal models expressing mutations in myosin essential light chains. *Journal of Muscle Research and Cell Motility* (2015)
- Markoullis K et al. Mycoplasma contamination of murine embryonic stem cells affects cell parameters, germline transmission and chimeric progeny. *Transgenic Res.* (2009)
- Achour L et al. CD4-CCR5 interaction in intracellular compartments contributes to receptor expression at the cell surface. *Blood* (2009)

Disclaimer

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