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Datasheet for 610-104-121

Mouse IgG (H&L) Antibody CY3 Conjugated Pre-Adsorbed

Overview

Description:	Goat Anti-Mouse IgG (H&L) Antibody CY3 Conjugated (Min X Bv Ch Gt GP Ham Hs Hu Rb Rt & Sh Serum Proteins) - 610-104-121
Item No.:	610-104-121
Size:	1 mg
Applications:	WB, IF, IHC, Multiplex
Reactivity:	Mouse
Host Species:	Goat

Product Details

Background:	Anti-Mouse IgG Cy3 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 CY3 Conjugated Pre-Adsorbed, Goat Anti Mouse IgG Antibody CY3 Conjugated
Host Species:	Goat
Specificity:	IgG (H&L)
Conjugate:	Cy3™
Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	8.5

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 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:	WB
Suggested Applications:	IF, IHC, Multiplex (Based on references)
Application Note:	Anti-Mouse IgG Cy3 Antibody has been tested by western blot and is designed for 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

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.

References

- Ng-Blichfeldt JP et al. Identification of a core transcriptional program driving the human renal mesenchymal-to-epithelial transition. *Dev Cell.* (2024)
- Hartmann K et al. Amniotic fluid derived stem cells give rise to neuron-like cells without a further differentiation potential into retina-like cells. *Am J Stem Cells.* (2013)
- Arnhold S et al. Neuronal characteristics of amniotic fluid derived cells after adenoviral transformation. *Cell Biol Int.* (2008)
- Pyo RT, Sui J, Dhume A, et al. CXCR4 modulates contractility in adult cardiac myocytes. *J Mol Cell Cardiol.* (2006)
- Arnhold S et al. Human bone marrow stroma cells display certain neural characteristics and integrate in the subventricular compartment after injection into the liquor system. *Eur J Cell Biol.* (2006)
- Wolter R et al. Mapping of cytoskeletal components in the hippocampal formation of the tree shrew (Tupaia belangeri). *J Chem Neuroanat.* (1999)

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