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Datasheet for 610-1202-0500

Fluorescein Conjugated Mouse IgG (H&L)

Overview

Description:	Goat Anti-Mouse IgG (H&L) Antibody Fluorescein Conjugated - 610-1202-0500
Item No.:	610-1202-0500
Size:	500 µg
Applications:	Dot Blot, WB, IF, IHC, Multiplex
Reactivity:	Mouse
Host Species:	Goat

Product Details

Background:	Anti-Mouse IgG [H&L] Fluorescein 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 opsinization 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 fluorescein Conjugated, Goat Anti-Mouse IgG Antibody FITC Conjugated, GAM-FITC, Anti-mouse IgG secondary antibody, anti-mouse IgG Fluorescein conjugated secondary antibody, Gt Anti-Ms IgG FITC Conjugated Antibody
Host Species:	Goat
Specificity:	IgG (H&L)
Conjugate:	Fluorescein (FITC)
Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	3.5

Specific Activity:	3.5

Target Details

Reactivity:	Mouse
Immunogen Type:	Native Protein
Immunogen:	Mouse IgG whole molecule
Purity/Specificity:	Goat Anti-Mouse IgG [H&L] FITC Conjugated Antibody 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-Fluorescein, anti-Goat Serum, Mouse IgG and Mouse Serum.

Application Details

Tested Applications:	Dot Blot, WB
Suggested Applications:	IF, IHC, Multiplex (Based on references)
Application Note:	Anti-Mouse IgG FITC Conjugated Antibody has been tested by dot blot and western blot and is designed for immunofluorescence microscopy, flow cytometry, 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

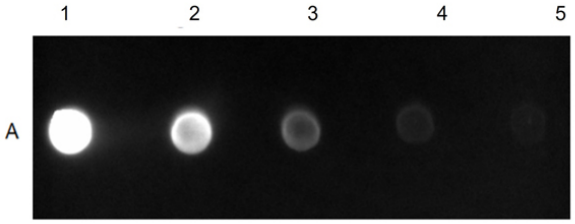
Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.1% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Reconstitution Volume:	500 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

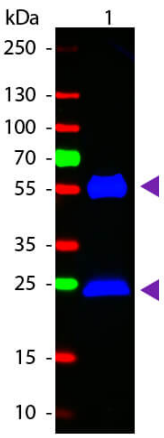
Shipping & Handling

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



Dot Blot
Dot Blot Results of Goat Anti-Mouse IgG Fluorescein Conjugated Antibody.
Mouse IgG (p/n 010-0102) sample loaded 1-100ng, 2-33.33ng, 3- 11.11ng, 4- 3.70ng, 5- 1.23ng.
Goat Anti-Mouse IgG Fluorescein Conjugated Antibody at 1.0µg/mL for 60mins at RT. Blocking Buffer for Fluorescent Western Blotting (p/n MB-070) for 60mins at RT. Chemi filter.



Western Blot
Western Blot of Goat anti-Mouse IgG Fluorescein Conjugated Secondary Antibody. Lane 1: Mouse IgG. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: Fluorescein 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.

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