

Datasheet for 610-102-040**Mouse IgG1 Antibody Fluorescein Conjugated Pre-adsorbed****Overview**

Description:	Goat Anti-Mouse IgG1 (Gamma 1 chain) Antibody Fluorescein Conjugated (Min X Bv, Hu, and Rb Serum Proteins) - 610-102-040
Item No.:	610-102-040
Size:	1 mg
Applications:	WB, Cellular Assay
Reactivity:	Mouse
Host Species:	Goat

Product Details

Background:	Anti-Mouse IgG1 Fluorescein Antibody generated in goat detects reactivity to Mouse IgG1 (Gamma 1 chain). Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. IgG1 chain constitutes 66% of the IgG subclass and has a high affinity for binding to the Fc receptor of phagocytic cells. 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 IgG1 antibody fluorescein conjugation, goat anti-mouse IgG1 (gamma 1) FITC conjugated antibody
Host Species:	Goat
Specificity:	IgG1
Conjugate:	Fluorescein (FITC)
Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	2.8

Target Details

Reactivity:	Mouse
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Immunogen Type:	Native Protein
Immunogen:	Mouse IgG heavy chain
Purity/Specificity:	Anti-Mouse IgG1 FITC conjugated secondary antibody prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG1 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, Mouse IgG and Mouse IgG1. No reaction was observed against Bovine, Human, and Rabbit Serum Proteins. Specificity was confirmed by ELISA at less than 1% of target signal.

Application Details

Tested Applications:	WB
Suggested Applications:	Cellular Assay (Based on references)
Application Note:	Mouse IgG1 FITC conjugated secondary antibody has been tested by western blot and is ideal for Flow Cytometry, Immunohistochemistry and Immunofluorescence Microscopy as well as other antibody detection methods. 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:	1:200 - 1:500
FLISA:	1:10,000 - 1:50,000
IF:	1:1,000 - 1:5,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

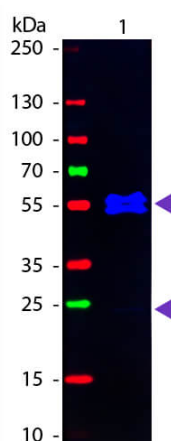
Formulation

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 antibody 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 Fluorescein conjugated Goat anti-Mouse IgG1 (Gamma 1 chain) Pre-adsorbed secondary antibody. Lane 1: Mouse IgG1. Lane 2: none. 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: 55 kDa, 55 kDa for Mouse IgG1 (Gamma 1 chain). Other band(s): none.

References

- Dubourg V. et al. Weighted Correlation Network Analysis Reveals CDK2 as a Regulator of a Ubiquitous Environmental Toxin-Induced Cell-Cycle Arrest. *Cells* (2020)

Disclaimer

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