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Datasheet for 810-1102

Fab Mouse IgG (H&L) Antibody

Overview

Description:	Goat Fab Anti-Mouse IgG (H&L) Antibody - 810-1102
Item No.:	810-1102
Size:	1 mg
Applications:	Dot Blot, ELISA, IHC
Reactivity:	Mouse
Host Species:	Goat

Product Details

Background:	Fab Anti-Mouse IgG (H&L) Antibody generated in goat detects Mouse IgG. This product possesses the F(ab) region possessing the epitope-recognition site, both 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 Fab Anti-Mouse IgG Antibody
Host Species:	Goat
Specificity:	IgG (H&L)
Clonality:	Polyclonal
Format:	IgG Fab

Target Details

Reactivity:	Mouse
Immunogen Type:	Native Protein
Immunogen:	Anti-Mouse IgG (H&L) antibody was produced by repeated immunization with mouse IgG whole molecule in goat.

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, papain digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum. No reaction was observed against anti-Papain or anti-Goat IgG F(c).

Application Details

Tested Applications:	Dot Blot, ELISA
Suggested Applications:	IHC (Based on references)
Application Note:	Fab Anti-Mouse IgG has been tested by ELISA and dot blot and is suitable for highly specific immunological methods requiring extremely low background levels, lot-to-lot consistency, high titer and specificity. This secondary antibody anti-Mouse is ideal for investigators who routinely perform titration assays, western-blot, immunoprecipitation and more generally immunoassays.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:15,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

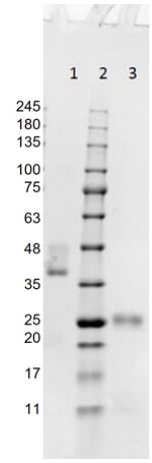
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.1 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:	None

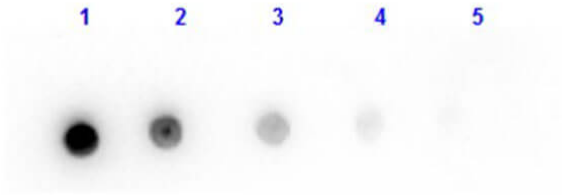
Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C prior to opening. This product is stable 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



SDS-PAGE
SDS-PAGE results of Goat Fab Anti-Mouse IgG (H&L) Antibody. Lane 1: Goat Fab Anti-Mouse - Non-reduced. Lane 2: Opal Prestained Ladder - (p/n MB-210-0500). Lane 3: Goat Fab Anti-Mouse - Reduced. Load: 1.0ug. Coomassie stained and imaged.



Dot Blot
Dot Blot results of Goat Fab Anti-Mouse IgG Antibody. Dots are Mouse IgG at (1) 100ng, (2) 33.3ng, (3) 11.1ng, (4) 3.70ng, (5) 1.23ng. Blocking: MB-070 for 30 min at RT. Primary Antibody: Goat Fab Anti-Mouse IgG at 1µg/mL for 1hr at RT. Secondary Antibody: Donkey Anti-Goat IgG HRP at 1:40,000 for 30min at RT. Imaged with BioRad ChemiDoc, Chemi filter.

References

- Dembla E et al. Biogenesis of large dense core vesicles in mouse chromaffin cells. *Traffic.* (2021)
- Mascadri F et al. Background-free Detection of Mouse Antibodies on Mouse Tissue by Anti-isotype Secondary Antibodies. *J Histochem Cytochem.* (2021)
- Shaib et al. Paralogs of the Calcium-Dependent Activator Protein for Secretion Differentially Regulate Synaptic Transmission and Peptide Secretion in Sensory Neurons. *Frontiers in Cellular Neuroscience* (2018)
- Pyrski M et al. Trpm5 expression in the olfactory epithelium. *Mol Cell Neurosci.* (2017)
- Lane-Donovan C et al. Reelin protects against amyloid β toxicity in vivo. *Science Signaling* (2015)
- Cippa PE et al. Synergistic Bcl-2 inhibition by ABT-737 and cyclosporine A. *Apoptosis.* (2013)

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