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Datasheet for 619-102-002

Armenian Hamster IgG (H&L) Antibody Fluorescein Conjugated

Overview

Description:	Goat Anti-Armenian Hamster IgG (H&L) Antibody Fluorescein Conjugated - 619-102-002
Item No.:	619-102-002
Size:	1 mg
Applications:	Dot Blot, WB
Reactivity:	Armenian Hamster
Host Species:	Goat

Product Details

Background:	Anti-Armenian Hamster IgG Fluorescein Antibody generated in goat detects Armenian Hamster 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 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-Armenian Hamster IgG Antibody fluorescein Conjugation, goat anti-Armenian Hamster IgG fluorescein Conjugated Antibody, goat Anti-Hamster IgG FITC Conjugated Secondary Antibody
Host Species:	Goat
Specificity:	IgG (H&L)
Conjugate:	Fluorescein (FITC)
Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	3.7

Target Details

Reactivity:	Armenian Hamster
Immunogen:	Armenian Hamster IgG whole molecule
Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Armenian Hamster IgG coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein, anti-Goat Serum, Armenian Hamster IgG and Armenian Hamster Serum. Minimal reactivity will occur against Golden Syrian Hamster IgG.

Application Details

Tested Applications:	Dot Blot, WB
Application Note:	FITC Anti-Hamster IgG Secondary Antibody has been tested by dot blot and 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

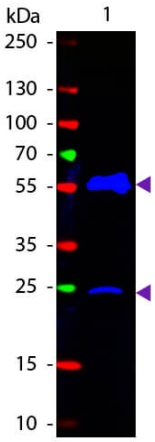
Formulation

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.

Images



Western Blot
Western Blot of Fluorescein conjugated Goat anti-Armenian Hamster IgG secondary antibody. Lane 1: Armenian Hamster IgG. 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: 25 & 55 kDa, 25 & 55 kDa for Armenian Hamster IgG. Other band(s): none.

Disclaimer

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