Datasheet for ABIN101765

Goat anti-Mouse IgG (Heavy & Light Chain) Antibody (FITC) - Preadsorbed

2 Images

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Overview

Quantity:	1 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	FITC
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Flow Cytometry (FACS), FLISA, Fluorescence Microscopy (FM)

Product Details

Immunogen:	Immunogen: Mouse IgG whole molecule
Isotype:	IgG
Specificity:	IgG (H&L)
Cross-Reactivity:	Mouse (Murine)
Characteristics:	Concentration Definition: by UV absorbance at 280 nm
Purification:	Preadsorption: Solid phase absorption
Labeling Ratio:	3.7

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	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 Background: Anti-Mouse IgG 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.

Application Details

Application Notes:	Immunohistochemistry Dilution: User Optimized Application Note: Secondary antibody reagents are ideal for Fluorescent Western Blot, FLISA, Flow Cytometry, Immunohistochemistry and Immunofluorescence Microscopy as well as other antibody detection methods. FLISA Dilution: 1:10,000 - 1:50,000 Flow Cytometry Dilution: 1:500 - 1:2,500 Western Blot Dilution: User Optimized IF Microscopy Dilution: 1:1,000 - 1:5,000
Comment:	Excitation/Emission wavelength: 494 nm/514 nm
Restrictions:	For Research Use only

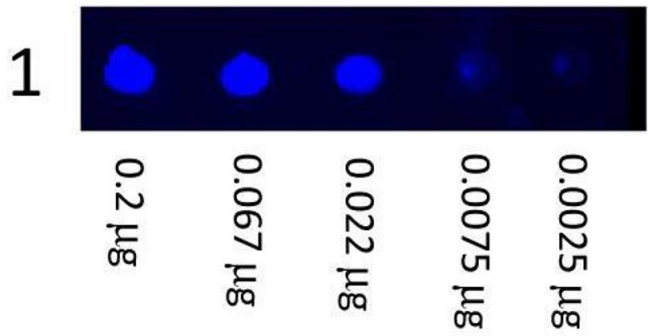
Handling

Format:	Lyophilized

Handling

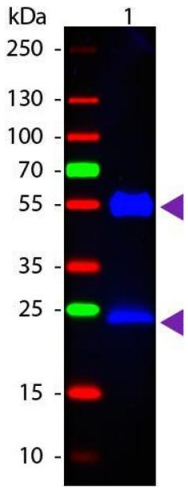
Reconstitution:	Reconstitution Volume: 1.0 mL Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Product is photosensitive and should be protected from light.
Storage:	RT,4 °C,-20 °C
Expiry Date:	12 months

Images



Dot Blot

Image 1. Dot Blot showing the detection of Mouse IgG. A three-fold serial dilution of Mouse IgG starting at 200ng was spotted onto 0.45 ?m nitrocellulose. After blocking in 5% Blotto 1 Hour at 20°C, Anti-Mouse IgG (H&L) (GOAT) Antibody Fluorescein Conjugated secondary antibody was used at 1:1000 in Blocking Buffer for Fluorescent Western Blotting and imaged using the Bio-Rad 4000 MP.



Western Blotting

Image 2. Western Blot of Goat anti-Mouse IgG Pre-Adsorbed Fluorescein Conjugated Secondary Antibody. Lane 1: Mouse 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: ABIN925618 for 30 min at RT. Predicted/Observed size: 25 & 55 kDa, 25 & 55 kDa for Mouse IgG. Other band(s): None.