Datasheet for ABIN965358

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

1 Image | 1 Publication

Go to Product page

Overview

Quantity:	1 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	FITC
Application:	Fluorescence Microscopy (FM)

Product Details

Immunogen:	Immunogen: Mouse IgG whole molecule
Isotype:	IgG
Fragment:	Fab fragment
Specificity:	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein and anti-Goat Serum.
Characteristics:	This product 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.
Purification:	Preadsorption: Solid phase absorption
Sterility:	Sterile filtered

Product Details

Labeling Ratio:	3.74

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	Synonyms: Goat Fab Anti-Mouse IgG Antibody Fluorescein Conjugation, Goat Fab Anti-Mouse IgG FITC Conjugated Antibody Background: Fab Anti-Mouse IgG (H&L) Fluorescein 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.

Application Details

Application Notes:	Application Note: Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms. IF Microscopy Dilution: 1:500 - 1:2,500
Comment:	Excitation/Emission wavelength: 494 nm/514 nm
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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

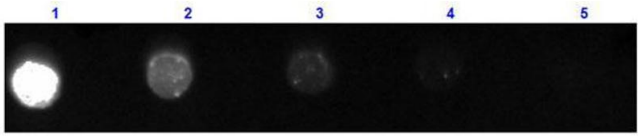
Handling

	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. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vial at 4 °C prior to restoration. For extended storage aliquot contents and freeze at -24 °C or below. This product is stable for several weeks at 4 °C as an undiluted liquid.
Expiry Date:	12 months

Publications

Product cited in:	Schomacker, Hebner, Boonyaratanakornkit, Surman, Amaro-Carambot, Collins, Schmidt: "The C proteins of human parainfluenza virus type 1 block IFN signaling by binding and retaining Stat1 in perinuclear aggregates at the late endosome." in: **PLoS ONE**, Vol. 7, Issue 2, pp. e28382, (2012) (PubMed).

Images



Dot Blot

Image 1. Dot Blot results of Goat Fab Anti-Mouse IgG Antibody Fluorescein Conjugated. Dots are Mouse IgG at (1) 100ng, (2) 33.3ng, (3) 11.1ng, (4) 3.70ng, (5) 1.23ng. Blocking: ABIN925618 for 30 min at RT. Primary Antibody: Goat Anti-Mouse IgG FITC at 1µg/mL for 1hr at RT. Secondary Antibody: none. Imaged with BioRad ChemiDoc, FITC filter.