

Datasheet for ABIN964945

**Mouse anti-Human IgG (Heavy & Light Chain) Antibody (FITC)  
- Preadsorbed**[Go to Product page](#)**1** Image

## Overview

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

## Product Details

Immunogen:	Immunogen: Human IgG whole molecule
Isotype:	IgG
Specificity:	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Mouse Serum, Human IgG and Human Serum.
Cross-Reactivity:	Human
Purification:	Preadsorption: Solid phase absorption
Sterility:	Sterile filtered
Labeling Ratio:	3.9

## Target Details

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Target:	IgG
Abstract:	<a href="#">IgG Products</a>
Target Type:	Antibody
Background:	<p>Synonyms: mouse anti-Human IgG fluorescein conjugated Antibody, mouse anti-Human IgG Antibody FITC conjugation</p> <p>Background: Anti-Human IgG (H&amp;L) Fluorescein generated in mouse detects human Immunoglobulin G (IgG), both heavy and light chains of the antibody molecule are present. It is a protein complex composed of four peptide chains - two identical heavy chains and two identical light chains arranged in a Y-shape typical of antibody monomers. Each IgG has two antigen binding sites. Representing approximately 75 % of serum immunoglobulins in humans, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B 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.</p>

## Application Details

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Application Notes:	<p>Application Note: Mouse Anti-Human IgG (H&amp;L) Antibody Fluorescein Conjugated 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.</p> <p>FLISA Dilution: 1:10,000 - 1:50,000</p> <p>Flow Cytometry Dilution: 1:500 - 1:2,500</p> <p>IF Microscopy Dilution: 1:1,000 - 1:5,000</p>
Comment:	Excitation/Emission wavelength: 494 nm/514 nm
Restrictions:	For Research Use only

## Handling

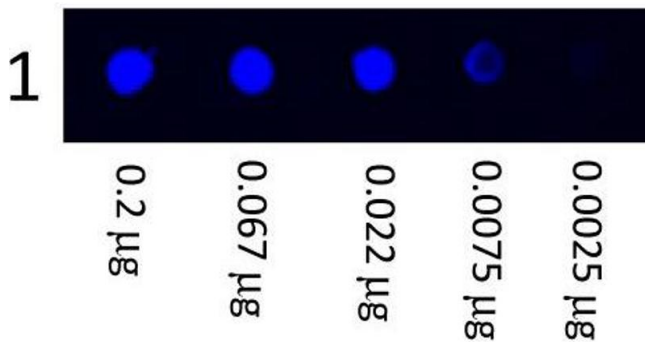
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Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 1.0 mL Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	1.0 mg/mL

## Handling

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
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

## Images



### Western Blotting

**Image 1.** Dot Blot showing the detection of Human IgG. A three-fold serial dilution of Human IgG starting at 200ng was spotted onto 0.45 µm nitrocellulose. After blocking in 5% Blotto (p/n B501-0500) 1 Hour at 20°C, Anti-Human IgG (H&L) (MOUSE) Antibody Fluorescien Conjugated (p/n 609-302-002) secondary antibody was used at 1:1000 in Blocking Buffer for Fluorescent Western Blotting (p/n MB-070) and imaged using the Bio-Rad VersaDoc® 4000 MP.