

Datasheet for ABIN101466

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

Overview

Quantity:	20 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:	IgG (H&L)
Purification:	This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-fluorescein, anti-Mouse Serum, Human IgG and Human Serum.

Target Details

Target:	IgG
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Target Details

Abstract: [IgG Products](#)

Target Type: Antibody

Background: Synonyms: Mouse anti-Human IgG Fluorescein Conjugated Antibody, mouse anti-Human IgG FITC Conjugated Antibody, mouse anti-Human IgG Antibody Fluorescein Conjugation
Background: Anti-Human IgG (H&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.

Application Details

Application Notes: Application Note: Anti-Human IgG (H&L) Fluorescein 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.

FLISA Dilution: 1:10,000 - 1:50,000

Flow Cytometry Dilution: 1:500 - 1:2,500

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

Reconstitution: Reconstitution Volume: 2.0 mL

Reconstitution Buffer: Restore with deionized water (or equivalent)

Concentration: 10 mg/mL

Buffer: Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Handling

Handling Advice: Product is photosensitive and should be protected from light.

Storage: RT, 4 °C, -20 °C

Expiry Date: 12 months

Images



Western Blotting

Image 1. primary and DyLight conjugated secondary antibodies were used to detect: Human transferrin (1° 109-4134, green 2° 611-743-127); Alpha 1 anti trypsin (1° 100-101-147, red 2° 605-742-125); and Human IgG (1° 109-3102, Blue 2° 610-741-124) in a multiplex fluorescent western blot of human serum. Each primary antibody was diluted to 1:1000 in blocking buffer (ABIN925618) and incubated for 2 hrs at RT. Secondary antibodies diluted 1:10000 in blocking buffer and incubated ~ 1hr at 4°C. Imaged using the Biorad VersaDoc 4000.