

Datasheet for ABIN101554

Rabbit anti-Human IgG (Heavy & Light Chain) Antibody (FITC) - Preadsorbed



[Go to Product page](#)

1 Publication

Overview

| | |
|----------------------|--|
| Quantity: | 2 mg |
| Target: | IgG |
| Binding Specificity: | Heavy & Light Chain |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | FITC |
| Application: | Flow Cytometry (FACS), FLISA, Fluorescence Microscopy (FM) |

Product Details

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|------------------|--|
| Immunogen: | Immunogen: Human IgG whole molecule |
| Isotype: | IgG |
| Specificity: | IgG (H&L) |
| Characteristics: | Concentration Definition: by UV absorbance at 280 nm |
| Purification: | Preadsorption: Solid phase absorption |
| Labeling Ratio: | 3.1 |

Target Details

Target: IgG

Abstract: [IgG Products](#)

Target Details

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|--------------|---|
| Target Type: | Antibody |
| Background: | <p>Synonyms: rabbit anti-Human IgG Antibody Fluorescein Conjugation, rabbit anti-Human IgG FITC Conjugated Antibody</p> <p>Background: Anti-Human IgG (H&L) Fluorescein generated in rabbit 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: 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.</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: | <p>Reconstitution Volume: 1.0 mL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p> |
| Concentration: | 2.0 mg/mL |
| Buffer: | <p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</p> <p>Preservative: 0.01 % (w/v) Sodium Azide</p> |

Handling

| | |
|--------------------|--|
| 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 |

Publications

Product cited in: Crawford, Tempel, Streblow, Kreklywich, Smith, Picker, Nelson, Caposio: "Human Cytomegalovirus Induces Cellular and Humoral Virus-specific Immune Responses in Humanized BLT Mice." in: **Scientific reports**, Vol. 7, Issue 1, pp. 937, (2018) ([PubMed](#)).