

Datasheet for ABIN964832

Rabbit anti-Guinea Pig IgG (F(ab')₂ Region) Antibody (FITC)



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Overview

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| Quantity: | 20 mg |
| Target: | IgG |
| Binding Specificity: | F(ab') ₂ Region |
| Reactivity: | Guinea Pig |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | FITC |
| Application: | Flow Cytometry (FACS), FLISA, Fluorescence Microscopy (FM) |

Product Details

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| Purpose: | F(ab') ₂ Guinea Pig IgG F(ab') ₂ Antibody Fluorescein Conjugated |
| Immunogen: | Optional[Immunogen]: Guinea Pig IgG F(ab') ₂ fragment |
| Isotype: | IgG |
| Fragment: | F(ab') ₂ fragment |
| Cross-Reactivity (Details): | Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein, anti-Rabbit Serum, Guinea Pig IgG, Guinea Pig IgG F(ab') ₂ and Guinea Pig Serum. No reaction was observed against Guinea Pig IgG F(c), anti-Rabbit IgG F(c) or anti-Pepsin. |
| Characteristics: | F(ab') ₂ Anti-Guinea Pig IgG Fluorescein Antibody was generated by enzymatic cleavage and subsequent separation from the Fc fragment. |
| Purification: | This product is a F(ab') ₂ fragment of an IgG fraction antibody purified from monospecific |

Product Details

antiserum by a multi-step process which includes delipidation, salt fractionation, ion exchange chromatography and pepsin digestion followed by extensive dialysis against the buffer stated above.

Target Details

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| Target: | IgG |
| Abstract: | IgG Products |
| Target Type: | Antibody |
| Background: | F(ab') ₂ Anti-Guinea Pig IgG F(ab') ₂ Fluorescein Antibody generated in rabbit detects Guinea Pig F(ab') ₂ . Representing approximately 75 % of serum immunoglobulins, 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. F(ab') ₂ Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays. |

Application Details

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| Application Notes: | Application Note: F(ab') ₂ Anti-Guinea Pig IgG F(ab') ₂ Fluorescein Antibody 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. 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. Flow Cytometry Dilution: 1:500 - 1:2,500 FLISA Dilution: 1:10,000 - 1:50,000 IF Microscopy Dilution: 1:1,000 - 1:5,000 Other: FLOW CYTOMETRY 1:500 - 1:2,500 |
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| Restrictions: | For Research Use only |
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Handling

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| Format: | Lyophilized |
| Reconstitution: | Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 2.0 mL |

Handling

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| Concentration: | 10.0 mg/mL |
| Buffer: | Buffer: 0.01 M Sodium 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. |
| Storage: | 4 °C, -20 °C |
| Storage Comment: | Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |
| Expiry Date: | 12 months |