

Goat F(ab')₂ anti-Rat IgG (F(ab')₂)-FITC, MinX Bo,Ho,Hu

General Information

Catalog Number: SEC-183859	Physical State: Lyophilized
Quantity: 1 mg	Reconstitution Volume: 1.0 mL
	Reconstitution Buffer: Restore with deionized water (or equivalent)
	Shipping Conditions: at room temperature
	Product Expiration: Expiration date is one (1) year from date of opening.

Antibody Host / Format

Host Species: Goat	Clonality / Isotype / Clone: polyclonal Ig
Antibody Format: IgG F(ab') ₂ Fragment	Concentration: 1.4 mg/mL by UV absorbance at 280 nm
	Conjugation: FITC (Fluoresceinisothiocyanat)
	Maximum Excitation / Emission: 492 nm / 520 nm



Specificity

Target Species: Rat	Immunogen: Rat IgG F(ab') ₂ fragment
Antibody Specificity: IgG (F(ab') ₂ Fragment)	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, pepsin digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein, anti-Goat Serum, Rat IgG, Rat IgG F(ab') ₂ and Rat Serum. No reaction was observed against Rat IgG F(c), anti-Pepsin, anti-Goat IgG F(c) or Bovine, Horse and Human Serum Proteins.
	Minimal Cross Reactivity: Bovine, Horse, Human

Formulation, Transport and Storage

Storage Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2	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.
Stabilizer: 15 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free	
Preservatives: 0.05% (w/v) Sodium Azide	
	Storage Temperature: 4-8°C

Application Recommendation

This product is for In Vitro experimental use only. Not for Therapeutic or Diagnostic use.		
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		Management System ISO 9001:2015  www.tuv.com ID 9000019771

Application: FLISA, Flow Cytometry, Immunofluorescence, Western Blot

Dilution: FLISA 1:50 - 1:200, Flow cytometry 1:500 - 1:2,500, Immunofluorescence 1:50 - 1:200, Western Blot (WB) 1:50 - 1:200

Application Note:

F(ab')₂ Anti-Rat 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.

Background Information

F(ab')₂ Anti-Rat IgG F(ab')₂ Fluorescein Antibody generated in goat detects Rat 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. This product has been overfilled to ensure total recovery of stated quantity.

Safety Information

This reagent contains sodium azide (a poisonous and hazardous substance) as preservative. Although this concentration is not regarded as dangerous to health, appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. Standard Laboratory Practices should be followed when handling this material.

Disclaimer

This product is warranted to perform in conformance with product specifications and to be free from defects in material and workmanship. Products are supplied for research use only. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated, this warranty is limited to one year from date of shipment when the product is subjected to normal, proper and intended usage. Buyer's exclusive remedy for non-conforming products during the warranty period is limited to replacement of or refund for the non-conforming product(s). There is no obligation to replace products as the result of accident or disaster or inappropriate use of the products in a manner for which they were not designed, or improper storage and handling of the products.

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Manufacturer

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