

Donkey F(ab')₂ anti-Rabbit IgG (H+L)-RPE, MinX Bo,Ck,Go,Gp,Hm,Ho,Hu,Ms,Rt,Sh

General Information

Catalog Number: SEC-183847	Physical State: Lyophilized
Quantity: 0,5 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: Donkey	Clonality / Isotype / Clone: polyclonal Ig
Antibody Format: IgG F(ab') ₂ Fragment	Concentration: 0.5 mg/mL by absorbance = 82.0 at 565 nm
	Conjugation: RPE (R-phycoerythrin)
	Maximum Excitation / Emission: 490 nm; 545 nm; 566 nm / 580 nm

Specificity

Target Species: Rabbit	Immunogen: Fab ₂ Anti-Rabbit IgG was produced by repeated immunization with Rabbit IgG whole molecule in donkey.
Antibody Specificity: IgG (H+L)	F(ab') ₂ Anti-Rabbit IgG (H&L) Phycoerythrin Conjugated Antibody Pre-adsorbed was prepared from monospecific antiserum by immunoaffinity chromatography using Rabbit 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-Phycoerythrin, anti-Donkey Serum, Rabbit IgG and Rabbit Serum. No reaction was observed against anti-Pepsin, anti-Donkey IgG F(c) or to Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Rat & Sheep Serum Proteins.
	Minimal Cross Reactivity: Bovine, Chicken, Goat, Guinea Pig, Hamster generally, Horse, Human, Mouse, Rat, Sheep

Formulation, Transport and Storage

Storage 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
	Preservatives: 0.01% (w/v) Sodium Azide

This product is for In Vitro experimental use only. Not for Therapeutic or Diagnostic use.

Manufacturer

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Your Secondary Antibody Portal
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Management System
ISO 9001:2015
www.tuv.com
ID 900019771



Store vial at 4° C prior to restoration. Restore with deionized water (or equivalent). This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Centrifuge product if not completely clear

after standing at room temperature. Do not freeze after reconstitution. Store reagent in the dark. Use subdued lighting during handling and incubation of cells prior to analysis.

Storage Temperature: 4-8°C

Application Recommendation

Application: Flow Cytometry, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections), Immunohistochemistry (frozen sections), Immunofluorescence, Western Blot

Dilution: Immunohistochemistry (IHC) application-dependent, Immunofluorescence 1:100 - 1:200

Application Note:

F(ab')₂ Rabbit IgG Phycoerythrin Conjugated Antibody was tested in WB, and is suitable for immunomicroscopy, flow cytometry or FACS analysis, as well as other antibody based fluorescent assays requiring extremely low background levels, absence of Fc mediated binding, lot-to-lot consistency, high titer and specificity. The maximum amount of reagent required to stain 1 x 10⁶ cells in flow cytometry is approximately 1.0 µg of antibody conjugate. Lesser amounts of reagent may be sufficient for staining. Optimal titers for other applications should be determined by the researcher. As a general guideline dilutions of 1:100 to 1:250 should be suitable for most applications.

Background Information

F(ab')₂ Anti-Rabbit IgG [H&L] Antibody Phycoerythrin Conjugated Pre-adsorbed was generated by enzymatic cleavage and subsequent separation from the Fc fragment. Because of their smaller size, F(ab')₂ fragments offer several advantages over intact antibodies for use in certain immunochemical techniques and experimental applications. F(ab')₂ fragments penetrate into tissue samples and show better antigen recognition and signal generation in IHC. F(ab')₂ fragments lack the Fc region and therefore do not bind Fc receptors which effectively lowers background staining. F(ab')₂ Rabbit IgG [H&L] Antibody Phycoerythrin conjugated Pre-adsorbed is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.

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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