

Rabbit IgG anti-Monkey IgG (H+L)-FITC, MinX none

General Information

Catalog Number: SEC-183619	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: Rabbit	Clonality / Isotype / Clone: polyclonal Ig
Antibody Format: IgG whole molecule	Concentration: 1.0 mg/mL by UV absorbance at 280 nm
	Conjugation: FITC (Fluoresceinisothiocyanat)
	Maximum Excitation / Emission: 492 nm / 520 nm

Specificity


Target Species: Monkey	Immunogen: Anti-Monkey IgG (H&L) was produced by repeated immunization with monkey IgG in rabbit.
Antibody Specificity: IgG (H+L)	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Monkey IgG coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Anti-Fluorescein, Monkey IgG and Monkey Serum.
	Minimal Cross Reactivity: none

Formulation, Transport and Storage

Storage Buffer: 0.02 M Potassium Phosphate, 0.15 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: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free	
Preservatives: 0.01% (w/v) Sodium Azide	

Application Recommendation

Application: FLISA, Flow Cytometry, Immunofluorescence, Western Blot

This product is for In Vitro experimental use only. Not for Therapeutic or Diagnostic use.		
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Dilution: FLISA 1:50.000 - 1:100.000, Flow cytometry User Optimized, Immunofluorescence 1:1,000 - 1:5,000, Western Blot (WB) 1:10.000 - 1:60.000

Application Note:

Anti-Monkey IgG (H&L) FITC conjugated Antibody is suitable for use in immunoelectrophoresis, immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. Specific conditions for reactivity and signal detection should be optimized by the end user.

Background Information

Anti-Monkey IgG (H&L) FITC antibody generated in rabbit detects specifically monkey IgG heavy and light chains. Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. IgG binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the compliment cascade, and opsinization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both heavy and light chains of the antibody molecule are present. This fluorescence conjugated anti-Monkey IgG (H&L) secondary antibody is ideal for investigators who routinely perform immunofluorescence, flow cytometry, and more general immunoassays. 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.

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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