

Product Datasheet / Instruction for use



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# Donkey IgG anti-Rat IgG (H+L)-FITC, MinX Bo,Ck,Go,Gp,Hm,Ho,Hu,Ms,Rb,Sh

#### **General Information**

Catalog Number: SEC-183524 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: Donkey 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: Rat Immunogen: Rat IgG whole molecule

Antibody Specificity: IgG (H+L) 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. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein, anti-Donkey Serum, Rat IgG and Rat Serum. No reaction was observed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Rabbit and Sheep Serum

Proteins.

Minimal Cross Reactivity: Bovine, Chicken, Goat, Guinea Pig, Hamster

generally, Horse, Human, Mouse, Rabbit, 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

**Application Recommendation** 

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.

**Storage Temperature:** 4-8°C

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

Manufacturer

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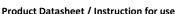


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Application: FLISA, Flow Cytometry, Immunofluorescence

Dilution: FLISA 1:10.000 - 1:50.000, Flow cytometry 1:500 - 1:2,500, Immunofluorescence 1:1,000 - 1:5,000

### **Application Note:**

This product 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.

# **Background Information**

Anti-Rat IgG (H&L) Fluorescein Antibody generated in donkey detects reactivity to Rat IgG. Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G 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 the Heavy and Light chains of the antibody molecule are present. 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. This Anti-Rat IgG is conjugated to Fluorescein.

### **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.







