

Product Datasheet / Instruction for use



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# Rabbit IgG anti-Rat IgM (µ)-FITC, MinX none

### **General Information**

Catalog Number: SEC-182615 Physical State: Lyophilized

Quantity: 20 mg Reconstitution Volume: 2.0 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: 10.0 mg/mL by UV absorbance at 280

nm

**Conjugation:** FITC (Fluoresceinisothiocyanat)

Maximum Excitation / Emission: 492 nm / 520 nm

## **Specificity**

Target Species: Rat Immunogen: Rat IgM mu heavy chain

Antibody Specificity:IgM (μ-Chain/ FcThis product is an IgG fraction antibody purified from monospecific

antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-fluorescein, anti-Rabbit Serum, Rat IgM and Rat Serum. No reaction was observed against Rat IgG.

Minimal Cross Reactivity: none

# Formulation, Transport and Storage

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**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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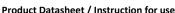


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Application: FLISA, Flow Cytometry, Immunofluorescence

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

## **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 IgM antibody generated in rabbit specifically detects rat IgM heavy chain. Immunoglobulin M is the largest antibody isotype and the first to be secreted against an initial exposure to antigen. IgM is predominantly produced in the spleen. Formed from covalently linking 5 immunoglobulins together, the approximate molecular weight of IgM is 900kDa and possesses 10 binding sites (though due to the size of most antigens, not all sites are capable of binding at once). Due to this large size, IgM is typically isolated to the serum. Anti-Rat IgM antibody is ideal for investigators in Immunology, Microbiology, and Cell Biology. This Anti-Rat IgM antibody 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.







