

## Goat IgG anti-Human IgM ( $\mu$ )-FITC, MinX none

### General Information

|                                   |  |
|-----------------------------------|--|
| <b>Catalog Number:</b> SEC-183016 | <b>Physical State:</b> Lyophilized   |
| <b>Quantity:</b> 1 mg             | <b>Reconstitution Volume:</b> 1.0 mL   |
|                                   | <b>Reconstitution Buffer:</b> Restore with deionized water (or equivalent)       |
|                                   | <b>Shipping Conditions:</b> at room temperature                                  |
|                                   | <b>Product Expiration:</b> Expiration date is one (1) year from date of opening. |

### Antibody Host / Format

|  |  |
|--|--|
| <b>Host Species:</b> Goat                  | <b>Clonality / Isotype / Clone:</b> polyclonal Ig          |
| <b>Antibody Format:</b> IgG whole molecule | <b>Concentration:</b> 1.0 mg/mL by UV absorbance at 280 nm |
|  | <b>Conjugation:</b> FITC (Fluoresceinisothiocyanat)        |
|  | <b>Maximum Excitation / Emission:</b> 492 nm / 520 nm      |

### Specificity

|   |   |
|---|---|
| <b>Target Species:</b> Human                                  | <b>Immunogen:</b> Human IgM whole molecule  |
| <b>Antibody Specificity:</b> IgM ( $\mu$ -Chain/ Fc Fragment) | This product was prepared from monospecific antiserum by immunoaffinity chromatography using Human IgM 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-Goat Serum, Human IgM and Human Serum. No reaction was observed against other human heavy or light chain proteins. |
|   | <b>Minimal Cross Reactivity:</b> none   |

### Formulation, Transport and Storage

|   |   |
|---|---|
| <b>Storage Buffer:</b> 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. |
| <b>Stabilizer:</b> 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |   |
| <b>Preservatives:</b> 0.01% (w/v) Sodium Azide  |   |
| <b>Storage Temperature:</b> 4-8°C   |   |

### Application Recommendation

**Application:** FLISA, Flow Cytometry, Immunofluorescence

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

#### Manufacturer

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

**Application Note:**

Anti-Human IgM (mu heavy chain) Fluorescein 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-Human IgM (mu heavy chain) Fluorescein generated in goat detects specifically Human IgM mu 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. Anti-Human IgM mu chain antibody is ideal for investigators in Immunology, Microbiology, and Cell Biology.

**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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