

## Mouse IgG2b anti-Human IgM ( $\mu$ )-unconj., MinX none

### General Information

<b>Catalog Number:</b> SEC-182572	<b>Physical State:</b> Liquid (sterile filtered)
<b>Quantity:</b> 100 $\mu$ g	<b>Reconstitution Volume:</b>
	<b>Reconstitution Buffer:</b>
	<b>Shipping Conditions:</b> Dry Ice
	<b>Product Expiration:</b> Expiration date is one (1) year from date of opening.

### Antibody Host / Format

<b>Host Species:</b> Mouse	<b>Clonality / Isotype / Clone:</b> monoclonal Ig 22G1.H8
<b>Antibody Format:</b> IgG2b	<b>Concentration:</b> 1.0 mg/ml by UV absorbance at 280 nm
	<b>Conjugation:</b> unconjugated
	<b>Maximum Excitation / Emission:</b> /

### Specificity

<b>Target Species:</b> Human	<b>Immunogen:</b> Anti-Human IgM Fc5 $\mu$ was produced by repeated immunization with Human IgM Fc5 $\mu$ fragment in mice.
<b>Antibody Specificity:</b> IgM ( $\mu$ -Chain/ Fc Fragment)	Anti-Human IgM Fc5 $\mu$ Antibody was prepared from concentrated roller bottle supernatant by Protein A chromatography sepharose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Mouse Serum, Human IgM, Human Serum and Human Fc5 $\mu$ . No reaction was observed against Human IgG, Human IgA, Human Fc, Human Fab or Human Fab2.
	<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 -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. 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> None	
<b>Preservatives:</b> 0.01% (w/v) Sodium Azide	
	<b>Storage Temperature:</b> -20°C

### Application Recommendation

**Application:** ELISA, Western Blot

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

#### Manufacturer

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Management System  
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**Dilution:** ELISA 1:1000-1:10000, Western Blot (WB) 1:1000-1:2000

**Application Note:**

Human IgM Fc5 $\mu$  antibody is suitable for immunoblotting (western or dot blot), ELISA, and immunohistochemistry requiring extremely low background levels, lot-to-lot consistency, high titer and specificity.

**Background Information**

Anti-Human IgM Fc5 $\mu$  antibody generated in mice specifically detects Fc5 $\mu$  portion of the human 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. Due to this large size, IgM is typically isolated to the serum. Anti-Human IgM Fc5 $\mu$  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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