

**Datasheet for 110-4107**

## Mouse IgM (H&L) Antibody

### Overview

<b>Description:</b>	Rabbit Anti-Mouse IgM (H&L) Antibody - 110-4107
<b>Item No.:</b>	110-4107
<b>Size:</b>	2 mL
<b>Reactivity:</b>	Mouse
<b>Host Species:</b>	Rabbit

### Product Details

<b>Background:</b>	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.
<b>Synonyms:</b>	rabbit anti-Mouse IgM Antibody, rabbit anti Mouse IgM
<b>Host Species:</b>	Rabbit
<b>Specificity:</b>	IgM (H&L)
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	Antiserum

### Target Details

<b>Reactivity:</b>	Mouse
<b>Immunogen:</b>	Mouse IgM whole molecule
<b>Purity/Specificity:</b>	This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in predominantly a single precipitin arc against Mouse IgM and Mouse Serum. No reaction was observed against Mouse IgG F(c). Some light chain cross reactivity may occur against Mouse IgG.

## Application Details

<b>Application Note:</b>	Anti-Mouse IgM antibody is suitable for use in ELISA, immunohistochemistry, and western blot. Specific conditions for reactivity should be optimized by the end user.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1:20,000 - 1:100,000
<b>IHC:</b>	1:1,000 - 1:5,000
<b>WB:</b>	1:2,000 - 1:10,000

## Formulation

<b>Physical State:</b>	Lyophilized
<b>Concentration:</b>	85 mg/mL by Refractometry
<b>Buffer:</b>	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.01% (w/v) Sodium Azide
<b>Stabilizer:</b>	None
<b>Reconstitution Volume:</b>	2.0 mL
<b>Reconstitution Buffer:</b>	Restore with deionized water (or equivalent)

## Shipping & Handling

<b>Shipping Condition:</b>	Ambient
<b>Storage Condition:</b>	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>Expiration:</b>	Expiration date is one (1) year from date of receipt.

## Disclaimer

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