

Native Rabbit IgM

Cat. No. IgM-210R **Lot. No.** (See product label)

SPECIFICATION

Product Overview Rabbit IgM whole molecule was prepared from normal serum by a multi-step process which includes delipidation, selective precipitation and tandem molecular sieve chromatography followed by extensive dialysis against the buffer stated above. Rabbit IgM whole molecule was assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum and anti-Rabbit IgM (μchain specific). No reaction was observed against anti-Rabbit IgG F(c). Some light chain cross-reactivity will occur with anti-Rabbit IgG.

Species Rabbit

Description 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.

Form Liquid

Applications Rabbit IgM whole molecule can be utilized as a control or standard reagent in Western Blotting and ELISA experiments.

Storage Store vial at 4° C prior to opening. Rabbit IgM whole molecule is stable 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage mix with an

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equal volume of glycerol, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.

Concentration	1.0 mg/ml by UV absorbance at 280 nm
Storage Buffer	0.1 M Tris Chloride, 0.5 M Sodium Chloride, pH 8.0
Preservative	0.1% (w/v) Sodium Azide

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