

RABBIT IgM whole molecule - 011-0107
Code: 011-0107

Size: 1 mg

Product Description: RABBIT IgM whole molecule - 011-0107

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

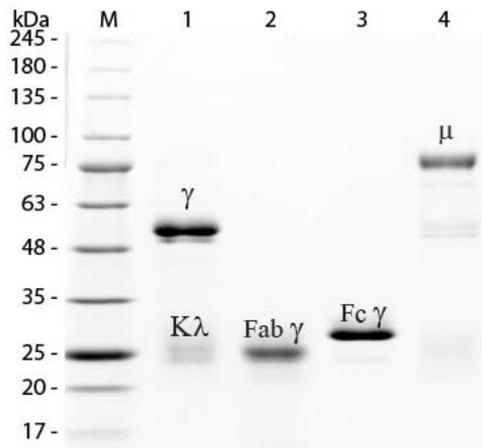
Label	Unconjugated
Buffer	0.1 M Tris Chloride, 0.5 M Sodium Chloride, pH 8.0
Preservative	0.1% (w/v) Sodium Azide
Storage Condition	Store vial at 4° C prior to opening. Rabbit IgM whole molecule is stable 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage mix with an equal volume of glycerol, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
Synonyms	Rabbit immunoglobulin M
Application Note	Rabbit IgM whole molecule can be utilized as a control or standard reagent in Western Blotting and ELISA experiments.
Background	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.
Purity And Specificity	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 (μ chain specific). No reaction was observed against anti-Rabbit IgG F(c). Some light chain cross-reactivity will occur with anti-Rabbit IgG.
Assay Dilutions	User Optimized
ELISA	User Optimized
Western Blot	User Optimized
Immunohistochemistry	User Optimized
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.

Related Products

007-0107	HAMSTER IgM whole molecule - 007-0107
010-0107	MOUSE IgM whole molecule - 010-0107
010-0207	MOUSE IgM whole molecule Fluorescein conjugated - 010-0207
012-0107	RAT IgM whole molecule - 012-0107

Images

1	SDS-PAGE of Rabbit IgM Whole Molecule (p/n 011-0107). Lane M: 3 μ L Opal Prestained Marker (p/n MB-210-0500). Lane 1: Reduced Rabbit IgG Whole Molecule (p/n 011-0102). Lane 2: Reduced Rabbit IgG F(ab) Fragment (p/n 011-0105). Lane 3: Reduced Rabbit IgG F(c) Fragment (p/n 011-0103). Lane 4: Reduced Rabbit IgM Whole Molecule (p/n 011-0107). Load: 1 μ g for F(ab) and F(c); 1.2 μ g for IgG and IgM. Predicted/Observed size: IgG at 50 and 25 kDa; F(c) at 25 kDa; F(ab) at 25 kDa; IgM at 70 and 23 kDa. Observed F(c) Fragment migrates slightly higher.
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Disclaimer

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