

## DOG IgM whole molecule - 004-0107

**Code:** 004-0107

**Size:** 1 mg

**Product Description:** DOG IgM whole molecule - 004-0107

**Concentration:** 0.99 mg/mL by UV absorbance at 280 nm

**PhysicalState:** Liquid (sterile filtered)

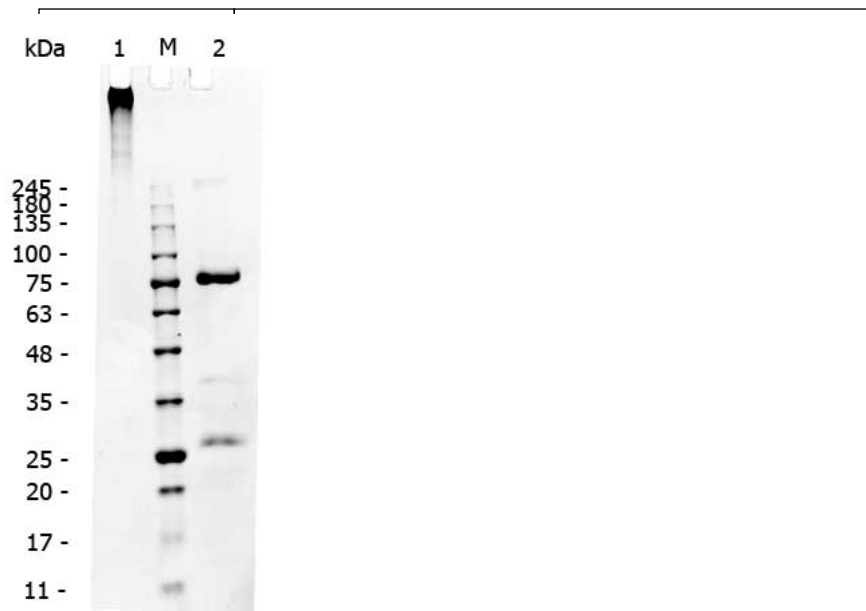
<b>Label</b>	Unconjugated
<b>Buffer</b>	0.1 M Tris Chloride, 0.5 M Sodium Chloride, pH 8.0
<b>Preservative</b>	0.1% (w/v) Sodium Azide
<b>Storage Condition</b>	Store vial at 4° C prior to opening. Dog IgM whole molecule is stable 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended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

002-0107	CAT IgM whole molecule - 002-0107
010-0207	MOUSE IgM whole molecule Fluorescein conjugated - 010-0207
012-0307	RAT IgM whole molecule Peroxidase conjugated - 012-0307
104-4107	Anti-DOG IgM mu chain (RABBIT) Antibody - 104-4107

### Related Links

### Images

1	SDS-PAGE of Dog IgM. Lane 1: Non-Reduced Human IgG. Lane 2: 5μL OPAL Pre-stained Marker MB-210-0500. Lane 3: Reduced Dog IgM. Load: 1μg per lane. Predicted/Observed size: Non-reduced 900 kDa, Reduced at 75, 25 kDa.
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#### Disclaimer

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