

Native Sheep IgM

Cat. No. IgM-331S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Sheep 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. Sheep IgM whole molecule was assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Sheep Serum and anti-Sheep IgM (u chain specific). No reaction was observed against anti-Sheep IgG F(c). Some light chain cross reactivity will occur with anti-Sheep IgG.
Species	Sheep
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 (sterile filtered)
Applications	ELISA, WB, IHC, IP
Usage	This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All properties listed are typical characteristics and are not specifications. All

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suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale.

Storage	Store vial at 4°C prior to opening. This product 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.
Concentration	4.48 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
Shipping	Wet Ice

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