

HUMAN IgM (myeloma) whole molecule (BULK ORDER) - 009-0107
Code: 009-0107

Size: 2 mg

Product Description: HUMAN IgM (myeloma) whole molecule (BULK ORDER) - 009-0107

Concentration: 2.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

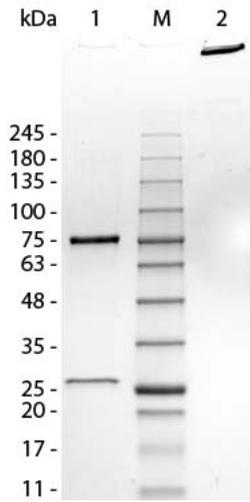
Label	Unconjugated
Buffer	0.1 M Tris Chloride, 0.5 M Sodium Chloride, pH 8.0
Preservative	0.1% (w/v) Sodium Azide
Storage Condition	Store vial at 4° C prior to opening. Human IgM (myeloma) whole molecule is stable 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage mix with an equal volume of glycerol, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
Synonyms	Human immunoglobulin M, Human IgM (myeloma) whole molecule, Human IgM whole molecule, Hu IgM WM
Application Note	Human IgM whole molecule can be used as a control or standard in indirect trapping ELISA for quantitation of antigen in serum using a standard curve, for immunoprecipitation and for western blotting.
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	Human IgM (myeloma) whole molecule was prepared from human 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. Human IgM (myeloma) whole molecule was assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Human Serum and anti-Human IgM (μ chain specific). No reaction was observed against anti-Human IgG F(c). Some light chain cross-reactivity will occur with anti-Human 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

010-0107	MOUSE IgM whole molecule - 010-0107
017-0107	MONKEY IgM whole molecule - 017-0107
109-4107	Anti-HUMAN IgM mu chain (RABBIT) Antibody - 109-4107
209-4307	Anti-HUMAN IgM mu chain (RABBIT) Antibody Peroxidase Conjugated - 209-4307

Images

1	SDS-PAGE of Human IgM Whole Molecule. Lane 1: Human IgM, Reduced. M: 5μl of Opal Pre-stained Marker (MB-210-0500). Lane 2: Human IgM, Non-Reduced. Load: 1.0 μg per lane. Predicted/Observed size: Non-Reduced- 900 kDa; Reduced- 75, 25 kDa.
---	---



Disclaimer

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 products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All 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. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.