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MOUSE IgM

Catalog # ASR2567

Product Information

Description	MOUSE IgM whole molecule
Conjugate	Unconjugated
Physical State	Liquid (sterile filtered)
Host Isotype	IgM
Buffer	0.1 M Tris Chloride, 0.5 M Sodium Chloride, pH 8.0
Species of Origin	Mouse
Stabilizer	None
Preservative	0.1% (w/v) Sodium Azide

Additional Information

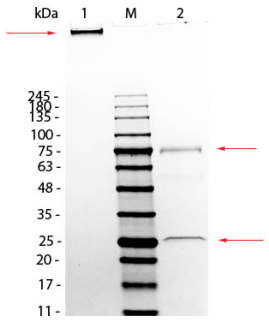
Shipping Condition	Wet Ice
Application Note	Mouse IgM whole molecule can be utilized as a control or standard reagent in SDS, Western Blotting, and ELISA experiments.
Purity	Mouse IgM was prepared from normal serum by a multi-step process which includes delipidation, selective precipitation and tandem molecular sieve chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Mouse Serum and anti-Mouse IgM (chain specific). No reaction was observed against anti-Mouse IgG F(c). Some light chain cross-reactivity will occur with anti-Mouse IgG.
Storage Condition	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.
Precautions Note	This product is for research use only and is not intended for therapeutic or diagnostic applications.

Background

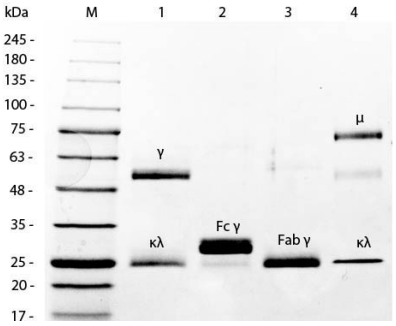
Mouse IgM, or mouse Immunoglobulin M, purified protein is a basic antibody that is produced by B cells. Mouse IgM is the primary antibody against A and B antigens on red blood cells. Mouse IgM is by far the physically largest antibody in the human circulatory system. Mouse IgM is the first antibody to appear in response to initial exposure to antigen.

Images

SDS-PAGE of Mouse IgM Whole Molecule. Lane 1: Mouse



IgM, Non-Reduced. Lane 2: Mouse IgM, Reduced. Load: 1.0 µg per lane. Predicted/Observed size - Non-Reduced: 900 kDa (Pentamer), 900 kDa (Molecule larger than can pass through gel), Reduced: 78 and 25 kDa, 75 and 25 kDa.



SDS-PAGE of Mouse IgM Whole Molecule (p/n ASR2567). Lane 1: 5 µL Opal Prestained Marker (p/n MB-210-0500). Lane 2: Reduced Mouse IgG Whole Molecule (p/n 010-0102). Lane 3: Reduced Mouse F(c) Fragment (p/n 010-0103). Lane 4: Reduced Mouse F(ab) Fragment (p/n 010-0105). Lane 5: Mouse IgM Whole Molecule (p/n ASR2567). Load: 1 µg per lane. 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.