

Monkey IgM protein

Cat#: orb346440 (CoA)

Size: 250 µg

Lot #: 46148

Product Description: MONKEY IgM whole molecule - 017-0107

Concentration: 1.0 mg/mL

Physical State: Liquid (sterile filtered)

Expiration: Expiration date is one (1) year from date of opening.

Preservative: 0.1% (w/v) Sodium Azide

Stabilizer: None

Buffer: 0.1 M Tris Chloride, 0.5 M Sodium Chloride, pH 8.0

Label: Unconjugated

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.

Synonyms: Monkey Immunoglobulin M

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.

Application Note: Monkey IgM whole molecule can be utilized as a control or standard reagent in SDS, Western Blotting, and ELISA experiments. Monkey IgM whole molecule is stable at 4° C prior to restoration. It is recommended to aliquot restored Monkey IgM whole molecule after adding equal parts glycerol for storage at -20° C for extended storage and to prevent repeated freeze-thaw cycles.

Purity and Specificity: Monkey 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. Monkey IgM whole molecule was assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Monkey Serum and anti-Monkey IgM (µ chain specific). No reaction was observed against anti-Monkey IgG F(c). Some light chain cross reactivity will occur with anti-Monkey IgG.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: User Optimized

Immunohistochemistry: User Optimized

Western Blot: User Optimized

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