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Cat IgM
Catalog # ASR2832

Specification

Cat IgM - Product Information

Description	**CAT 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	**Cat**
Preservative	**0.1% (w/v) Sodium Azide**

Cat IgM - Additional Information

Shipping Condition
Wet Ice

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

Storage Condition
Store vial at 4° C prior to opening. Cat 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.

Precautions Note
This product is for research use only and is not intended for therapeutic or diagnostic applications.

Cat IgM - Protein Information

Cat IgM - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence

- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Cat IgM - Images

Cat IgM - Background

Immunoglobulin M is the largest antibody isotype and the first to be secrected against an initial exposure to antigen. IgM is predominantly produced in the spleen. Formed from covalently linking 5 immunoglobulins together, the approixmate 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.