

AP32992FC-N**Polyclonal Antibody to Mouse IgM (Fc specific) - FITC****Alternate names:**

Mouse Immunoglobulin M

Quantity:

1 ml

Concentration:

10.0 mg/ml

Host / Isotype:

Rabbit / IgG

Immunogen:

Purified homogenous IgM isolated from Mouse serum. Immunization with intact and split IgM.

Freund's complete adjuvant is used in the first step of the immunization procedure.

Format:**State:** Lyophilized hyperimmune IgG fraction**Purification:** Hyperimmune antisera with strong precipitating activity are selected for fractionation by salt precipitation and purification of the IgG fraction by DEAE Chromatography**Buffer System:** PBS, pH 7.2**Preservatives:** None, as it may interfere with the antibody activity.**Stabilizers:** None**Label:** FITC*Absorption / Emission:* 492 nm / 515 nm*Molar Ratio:* Fluorochrome/IgG protein (F/P) ~ 1.3**Reconstitution:** Restore with 1 ml sterile distilled water.**Applications:****ELISA.****Immunocytochemistry.****Immunohistochemistry on Frozen Sections.****(In)direct immunofluorescence.**

In direct staining of cytoplasmic IgM in fixed mouse cells and tissue substrates; to identify circulating IgM antibodies in serodiagnostic microbiology and autoimmune diseases; to identify a specific antigen or immune complex using a reference antibody of mouse in the middle layer of the test procedure. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal.

Recommended Working Dilutions: 1/20- 1/80.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:	<p>The reactivity of the antiserum is directed to the Fc subunit of the IgM molecule. In immunoelectrophoresis and double radial immunodiffusion, using various antiserum concentrations against normal mouse plasma and serum, a single characteristic precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified IgM. No reaction is obtained with purified IgA, IgG and IgG/Fab fragments.</p> <p>Cross-reactivity: Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Cross-reactivity of this immunoconjugate has not been tested in detail.</p> <p>Species: Mouse. Other species not tested.</p>
Add. Information:	<p>Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required to eliminate antibodies cross-reacting with other components of the immunoglobulin system or reacting with other serum proteins. Special attention is given to the removal of antibodies to common Ig/Fab. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.</p>
Storage:	<p>Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch.</p>