

AP31543FC-N**Polyclonal Antibody to Mouse IgM (Fc specific) - FITC****Alternate names:**

Immunoglobulin M mouse

Quantity:

1 ml

Concentration:

6,3 mg/ml

Host / Isotype:

Goat / IgG

Immunogen:

Purified homogenous IgM isolated from pooled mouse serum. Immunization with intact (19S) and split (7S) IgM. Freund's complete adjuvant is used in the first step of the immunization procedure.

Format:**State:** Lyophilised hyperimmune Ig fraction**Purification:** DEAE-column Chromatography**Buffer System:** PBS, pH 7.2

No preservative added, as it may interfere with the antibody activity. No foreign proteins added.

Label: FITC – Fluorescein isothiocyanate isomer 1*Absorption / Emission:* 492nm / 515nm*Molar Ratio:* 1,8**Reconstitution:** Restore with 1 ml sterile distilled water.**Applications:**

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.

Working dilutions are usually between 1/20 and 1/80.

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

- Specificity:** 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.
- 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 conjugate has not been tested in detail, however this conjugate has been passed over appropriate immunoadsorbents to remove antibodies cross-reacting with human immunoglobulins. This renders it specific for use in test systems containing material of human origin (e.g. human tissue/mouse monoclonal antibody to a human tissue constituent/anti mouse Ig isotype-specific immunoconjugate).
- Species:** Mouse.
Other species not tested.
- Add. Information:** **Adsorption:** Immunoaffinity adsorbed using insolubilized antigens as required to eliminate antibodies reacting with other components of the immunoglobulin system or reacting with other serum proteins. The use of insolubilized adsorption antigens prevents the presence of foreign protein or immune complexes in the antiserum.
- Storage:** Prior to reconstitution store at 2-8°C.
Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.