

AP31440FC-N**Polyclonal Antibody to Monkey IgM (Fc specific) - FITC****Alternate names:**

Monkey Immunoglobulin M

Quantity:

1 ml

Concentration:

9,6 mg/ml

Host / Isotype:

Goat / IgG

Immunogen:

Purified IgM isolated from Rhesus monkey serum. Freund's complete adjuvant is used in the first step of the immunization procedure.

Format:**State:** Lyophilised hyperimmune Ig fraction**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:* 1,6**Reconstitution:** Restore with 1 ml sterile distilled water**Applications:**

Can be used in immunocytochemical and immunohistochemical staining of IgM at the cellular and subcellular level of appropriately treated cell and tissue substrates; to demonstrate circulating IgM antibodies in serodiagnostic microbiology and autoimmune diseases; to identify a specific antigen using a reference antibody of monkey origin known to be of the IgM isotype in the middle layer of the indirect 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 are usually between 1/20 and 1/80, depending on the method used.

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, which expresses strict (class) specificity. In immunoelectrophoresis and radial in immunodiffusion using various antiserum concentrations against monkey serum, a single precipitin line has been obtained which shows a reaction of identity with the precipitin lines obtained with the purified IgM used as immunogens. It does not react with IgG, IgG/Fab fragments and IgA or any non-Ig protein in monkey serum, as tested by immunoelectrophoresis and double radial immunodiffusion. <u>Cross-reactivity:</u> Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Precipitation reactions have been observed with immunoglobulins in serum of other old-world monkeys, including Cercopithecus, Cynomolgus and Baboon. The product may also react with other species as has been observed for chimpanzee and man. Species: Monkey. Other species not tested.
Add. Information:	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.
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one week or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.