

AP31440HR-N**Polyclonal Antibody to Monkey IgM (Fc specific) - HRP**

Alternate names:	Monkey Immunoglobulin M
Quantity:	1 ml
Concentration:	10.0 mg/ml
Host / Isotype:	Goat / IgG
Immunogen:	Purified normal IgM isolated from pooled rhesus monkey serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Format:	State: Lyophilized purified hyperimmune IgG fraction Purification: DEAE-column Chromatography Buffer System: PBS, pH 7.2 without foreign proteins Preservatives: None as it may interfere with the antibody activity Label: HRP – Horseradish Peroxidase <i>Molar Ratio:</i> Peroxidase/IgG protein ~1.7 Reconstitution: Restore with 1 ml sterile distilled water
Applications:	ELISA. Dot blot. Immunoblotting. Immunocytochemistry. Immunohistochemistry on Paraffin Sections. In Enzyme-Immunocytochemical and Immunohistochemical staining for the detection of IgM at the cellular and subcellular level by staining 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; in non-isotopic assay methodology (e.g. ELISA) to measure IgM in Monkey serum or other body fluids. 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. <u><i>Recommended Working Dilutions:</i></u> Histochemical and Cytochemical Use: 1/50-1/250. ELISA and comparable non-precipitating antibody-binding assays: 1/1000-1/5000. 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 isotypic (class) specificity. It does not react with any non-Ig protein in Monkey serum, as tested by immunoelectrophoresis and double radial immunodiffusion. Cross-reactivity: 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 IgM in serum of other old-world monkeys, including Cercopithecus, Cynomolgus and Baboon. The conjugate may also react with IgM of 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:	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.