

AP31543AF-N**Polyclonal Antibody to Mouse IgM (Fc specific) - Azide Free**

Alternate names:	Immunoglobulin M mouse
Quantity:	10 mg
Concentration:	10 mg/ml
Host:	Goat
Immunogen:	Purified homogenous IgM isolated from mouse serum. Immunization with intact (19S) and split IgM (7S). 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. Reconstitution: Restore with 1 ml sterile distilled water
Applications:	Can be used as unlabelled primary or secondary reagent for indirect detection of IgM at the cellular and subcellular level by staining of appropriately treated cell and tissue substrates; to prepare conjugates of the user's own choice; to prepare an insoluble immunoaffinity adsorbent or a solid phase antibody reagent by coupling to an artificial carrier and as catching antibody in non-isotopic methodology and solid phase immunochemistry. When applied in any cytochemical or histochemical staining procedure or solid phase coupling technique, the optimum concentration of the IgG preparation should be established by titration before being used. <u>Typical working dilutions:</u> In histochemistry are usually between 1/50 and 1/250. In ELISA and comparable non-precipitating antibody-binding assays between 1/500 and 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 mouse 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. Cross-reactivity of this conjugate has not been tested in detail; however in double radial immunodiffusion a reaction has been observed with IgM in serum of rat. Species: Mouse. 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.