

AP32992AF-N**Polyclonal Antibody to Mouse IgM (Fc specific) - Azide Free**

Alternate names:	Mouse Immunoglobulin M
Quantity:	10 mg
Concentration:	10 mg/ml
Host / Isotype:	Rabbit / IgG
Immunogen:	Highly purified homogenous IgM isolated from Mouse serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Format:	State: Lyophilized purified 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. No foreign protein added Stabilizers: None Reconstitution: Restore with 1 ml sterile distilled water
Applications:	Can be used: As unlabelled primary or secondary antibody reagent for indirect detection of IgM in Mouse cells, tissues and body fluids in Immunofluorescence and Immunoenzyme assay methods. For the production of immunoconjugates with a selected marker. To prepare immunoaffinity adsorbents by coupling to an artificial carrier. In non-isotopic methodology based on solid phase immunochemistry (e.g. ELISA), both as catching antibody and detection reagent. In Western blotting. When applied in any immunocytochemical or histochemical staining procedure or solid phase coupling techniques, the optimum concentration of this product should be established before. <u>Recommended Working Dilutions:</u> Histochemistry: 1/100-1/250. ELISA and comparable non-precipitating antibody-binding assays: 1/1000-1/5000. <u>Precipitin titre:</u> not less than 1/64 when tested against normal Mouse serum in agar-block immunodiffusion titration. Performance testing: Titre, specificity and reactivity of the subclass specific cross-adsorbed IgG is further evaluated in a number of highly sensitive non-precipitating antibody-binding assay systems. These performance tests include direct single and double identification of clg in mouse cell and tissue substrates and their evaluation as second antibody in the analysis of human cells and tissues after reacting with a primary monoclonal mouse antibody to a human antigen. The quantitative specific recognition ability is verified in double staining procedures together with reference reagents of known specificity and reactivity.

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

Specificity:

The defined antibody specificity is restricted to the Fc part of the IgM molecule, as tested against Mouse sera at the level of sensitivity of direct immunofluorescence staining methods applied to lymphoid cells with the FITC conjugated form of this product. In immunoelectrophoresis and radial immunodiffusion, using various antiserum concentrations, against Mouse serum a single characteristic precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with the purified IgM. It **does not** react with IgG, IgG/Fab fragments and IgA.

Cross-reactivity: Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since immunoglobulins of different species frequently share antigenic determinants. Cross-reactivity of this product has not been tested in detail

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 elimination of antibodies to the common Ig/Fab portion. 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 month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.