

AP32992SU-N**Polyclonal Antibody to Mouse IgM (Fc specific) - Serum**

Alternate names:	Mouse Immunoglobulin G
Quantity:	1 ml
Concentration:	Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal rabbit serum. No foreign proteins added.
Host:	Rabbit
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: Delipidated, heat inactivated lyophilized stable whole serum Preservatives: None, as it may interfere with the antibody activity. Stabilizers: None Reconstitution: Restore with 1 ml sterile distilled water.
Applications:	Immunoprecipitation. Can be used: In precipitating techniques as Immunoelectrophoresis and Radial Immunodiffusion to identify the presence of IgM in mouse serum and other body fluids or to determine its concentration. To prepare an immunoabsorbent for the purification of mouse IgM from serum or plasma. This antiserum is not intended for use in non-precipitating antibody binding or other highly sensitive assays. For such use labelled and unlabelled cytochemical and immunoassay grade reagents meeting the necessary additional specificity and performance requirements are available. <u>Recommended Working Dilutions:</u> Immunoelectrophoresis: use 2 µl or equivalent against 120 µl antiserum. Double Radial Immunodiffusion (Ouchterlony): a rosette arrangement with 10 µl antiserum in a 3 mm diameter centre well and 2 µl serum samples (neat and diluted) in 2 mm diameter peripheral wells. <u>Precipitin titre:</u> 1/32 when tested against pooled normal mouse serum in agar-block immunodiffusion titration. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:	<p>The reactivity of the antiserum is restricted to the Fc part of the IgM molecule. In immunoelectrophoresis and radial immunodiffusion, using various antiserum concentrations against normal mouse serum a single precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified IgM. No precipitation reaction is obtained with purified IgG, IgA, and IgG/Fab fragments.</p> <p>Cross-reactivity: The antiserum does not cross react with any other component of the mouse immunoglobulin system. 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 antiserum has not been tested in detail.</p> <p>Species: Mouse. Other species not tested.</p>
Add. Information:	<p>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. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.</p>
Storage:	<p>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.</p>