

AP33083SU-N**Polyclonal Antibody to Sheep IgM (Fc specific) - Serum**

Alternate names:	Sheep Immunoglobulin M
Quantity:	1 ml
Concentration:	Total protein and IgG concentration in the antiserum are comparable to those of pooled rabbit serum. No foreign proteins added.
Host:	Rabbit
Immunogen:	Highly purified normal IgM isolated from pooled sheep 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 sheep serum and other body fluids or to determine its concentration. To prepare an immunoabsorbent for the purification of sheep IgM from serum or plasma. <u>Recommended Working Dilutions:</u> Immunoelectrophoresis: Use 2 µl or equivalent against 120 µl antiserum. Double Radial Immunodiffusion (Ouchterlony): Use 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. Single Radial Immunodiffusion and electroimmunodiffusion: Use 0.5 to 1.0 percent antiserum in the agar gel. <u>Antibody titre:</u> 1/16 when tested against pooled normal sheep serum in agar-block immunodiffusion titration. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	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 sheep 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. Cross-reactivity: The antiserum does not cross-react with any other component of the sheep Ig system. Interspecies 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, however in double radial immunodiffusion a strong reaction with goat has been observed. Species: Sheep. 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. 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.