

AP33088SU-N**Polyclonal Antibody to Porcine IgM (Fc specific) - Serum**

Alternate names:	Pig IgM, Pig Immunoglobulin M
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 normal IgM isolated from pooled swine serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Format:	State: Lyophilized, Delipidated, Heat inactivated, Stable Whole Antiserum without preservatives Reconstitution: Restore by adding 1 ml of sterile distilled water
Applications:	Precipitation. Can be used in precipitating techniques as immunoelectrophoresis and radial immunodiffusion to identify the presence of IgM in swine serum and other body fluids or to determine its concentration. To prepare an immunoadsorbent for the purification of swine IgM from serum or plasma. <u>Recommended Dilutions:</u> Immunoelectrophoresis: Use 2 µl or equivalent against 120 µl antiserum. Double Radial Immunodiffusion: 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> Precipitin titre not less than 1/32 when tested against pooled normal swine 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 swine 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. <u>Cross-reactivity:</u> The antiserum does not cross-react with any other component of the swine 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. Species: Pig. 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.