

**AP33049SU-N****Polyclonal Antibody to Porcine IgM (Fc specific) - Serum**

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| <b>Alternate names:</b>    | Pig Immunoglobulin M  |
| <b>Quantity:</b>           | 1 ml  |
| <b>Concentration:</b>      | Total protein and IgG concentration in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added.  |
| <b>Host:</b>               | Goat  |
| <b>Immunogen:</b>          | Highly purified normal IgM isolated from pooled Swine serum.<br>Freund's complete adjuvant is used in the first step of the immunization procedure.   |
| <b>Format:</b>             | <b>State:</b> Lyophilized (Delipidated, Heat inactivated) stable whole antiserum without preservatives<br><b>Reconstitution:</b> Restore by adding 1 ml of sterile distilled water  |
| <b>Applications:</b>       | 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 immunoabsorbent for the purification of swine IgM from serum or plasma.<br><u><i>Recommended Working Dilutions:</i></u><br>Immunoelectrophoresis: Use 2 µl or equivalent against 120 µl antiserum.<br>Double Radial Immunodiffusion (Ouchterlony): Use a rosette arrangement with 10 µl in a 3 mm diameter center well and 2 µl serum samples (neat and serially diluted) in 2 mm diameter peripheral wells.<br><u><i>Precipitin titre:</i></u> 1/32 when tested against pooled normal Swine serum in agar-block immunodiffusion titration.<br>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| <b>Specificity:</b>        | 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.<br><b>Cross-reactivity:</b> 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.   |
| <b>Species Reactivity:</b> | <b>Tested:</b> Pig.   |
| <b>Add. Information:</b>   | <b>Adsorption:</b> 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.