

AP21493SU-N**Polyclonal Antibody to Rat IgG2ab (subclass specific) - Serum**

Alternate names:	Rat Immunoglobulin G2ab
Quantity:	1 ml
Concentration:	Total protein and IgG concentration in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added.
Host:	Goat
Immunogen:	Pools of purified homogenous IgG2a and IgG2b isolated from Rat serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Format:	State: Lyophilized (Delipidated and heat inactivated) stable whole antiserum Preservatives: None Reconstitution: Restore by adding 1.0 ml sterile distilled water. Dilutions may be prepared by adding PBS, pH 7.2
Applications:	Immunoprecipitation. In precipitating techniques as Immunoelectrophoresis and radial immunodiffusion to identify the presence of IgG2a and/or IgG2b in Rat serum and other body fluids or to determine its concentration. To prepare an immunoabsorbent for the purification of Rat IgG2a/IgG2b from serum or plasma. Recommended Working Dilutions: Immunoelectrophoresis: 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. Antibody titre: Precipitin titre not less than 1/64 when tested against pooled normal Rat 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 directed to the subclasses IgG2a and IgG2b. It does not react with other subclasses of IgG, IgG/Fab fragments, IgM and IgA or any non-Ig protein in rat serum, as tested by Immunoelectrophoresis and Double Radial Immunodiffusion. Cross-reactivity: This IgG fraction is not species-specific since inter-species cross-reactivity is a normal feature of antisera to immunoglobulins. Cross-reactivity of this product has not been tested in detail.
Species Reactivity:	Tested: Rat.
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 removal of antibodies to common Ig/Fab. 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.