

AP21491SU-N**Polyclonal Antibody to Rat IgG2b (subclass specific) - Serum**

Alternate names:	Rat Immunoglobulin 2b
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 IgG2b isolated from pooled 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 - No preservative added Reconstitution: Restore by adding 1,0 ml sterile distilled water. Dilutions may be prepared by adding PBS, pH 7.2
Applications:	In precipitating techniques as immunoelectrophoresis and radial immunodiffusion to identify the presence of IgG2b in rat serum and other body fluids or to determine its concentration. To prepare an immunoabsorbent for the purification of rat IgG2b from serum or plasma. <u>Recommended working dilutions:</u> 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. <u>Antibody titre:</u> Precipitin titre not less than 1/32 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 Fc portion of the subclass 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. <u>Cross-reactivity:</u> 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.
Add. Information:	<u>Adsorption:</u> 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:

Prior to and following reconstitution store the antibody at 2-8°C for one month or at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.