

AP31513SU-N**Polyclonal Antibody to Albumin - Serum****Alternate names:**

ALB, BSA, HSA, Serum Albumin

Quantity:

1 ml

Background:

Serum albumin, a globular unglycosylated protein of 65 kDa, is the main protein of plasma; it has a good binding capacity for water, fatty acids, hormones, bilirubin and drugs. Its main function is the regulation of the colloidal osmotic pressure of blood. Albumin is synthesized in the liver as preproalbumin, which has an N terminal peptide that is removed before the nascent protein is released from the rough endoplasmic reticulum. The product, proalbumin, is in turn cleaved in the Golgi vesicles to give the secreted albumin.

Uniprot ID:[A2V9Z4](#)**NCBI:**[9541](#)**Host:**

Rabbit

Immunogen:

Highly purified albumin isolated from monkey serum. Freund's complete adjuvant is used in the first step of the immunization procedure.

Format:**State:** Delipidated, heat inactivated, lyophilized, stable whole antiserum**Buffer System:** Without preservatives and foreign proteins.**Reconstitution:** Restore with 1 ml sterile distilled water**Applications:**

Can be used as precipitating antiserum to identify or measure monkey albumin by a variety of immunodiffusion techniques, including immunoelectrophoresis, single and double radial immunodiffusion (Mancini, Ouchterlony) and electroimmunodiffusion (Laurell).

It has not been tested for use in nephelometry, ELISA or immunochemistry, but this does not exclude such use if proper controls are included.

Recommended dilutions:**Immunoelectrophoresis:** use 2 µl serum, plasma 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 serially diluted) in 2 mm diameter peripheral wells.**Single radial immunodiffusion and electroimmunodiffusion:** use 0.5 to 1.0 percent antiserum in the agar gel.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

- Specificity:** The defined antibody specificity is directed to albumin as tested against monkey sera. In immunoelectrophoresis and double radial immunodiffusion (Ouchterlony), using various antiserum concentrations against appropriate concentrations of the immunogen, a single characteristic precipitin line is obtained which shows a reaction of identity with the precipitin lines obtained against monkey serum and the purified albumin.
Species: Monkey.
Other species not tested.
- Add. Information:** **Adsorption:** Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies reacting with other serum proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.
Antibody titre: Precipitin titre not less than 1/32 when tested against normal monkey serum in agar block immunodiffusion titration.
- Storage:** Prior to reconstitution store at 2-8°C.
Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.