

AP21487SU-N**Polyclonal Antibody to Fibrinogen - Serum****Alternate names:**

FGA, FGB, Fibrinogen alpha chain, Fibrinogen beta chain

Quantity:

1 ml

Concentration:

Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added.

Background:

Fibrinogen (clotting factor I) is a heat labile beta glycoprotein present in plasma. It is the precursor of fibrin, which is the key protein constituting the network of the blood clot.

Thrombin converts fibrinogen to fibrin by limited proteolysis. Fibrin monomers polymerize to fibrin which is stabilized by cross-linking.

Uniprot ID:[P14461](#)**NCBI:**[9986](#)**Host:**

Goat

Immunogen:

Fibrinogen is isolated from fresh plasma after removing prothrombin. 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:

In precipitating techniques as Immunoelectrophoresis and single or double Radial Immunodiffusion (Mancini, Ouchterlony) to identify the presence of Fibrinogen in Rabbit plasma or other body fluids or to determine its concentration.

Antibody titre: Precipitin titre 1/32 when tested against pooled normal Rabbit plasma 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 Rabbit Fibrinogen molecule.

In Immunoelectrophoresis and Radial Immunodiffusion, using various antiserum concentrations against normal Rabbit plasma a single precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified fibrinogen. No reaction is obtained with any other plasma protein components or serum. However, the antiserum may also react with fibrin monomers, circulating fibrinopeptides and fibrin degradation products.

The antiserum does not cross-react with any other component of Rabbit plasma. Inter-species cross-reactivity is a normal feature of antibodies to plasma proteins since they frequently share antigenic determinants. Cross-reactivity of this antiserum has not been tested in detail.

Species: Rabbit.

Other species not tested.

Add. Information:

Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies cross-reacting with other 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 and reconstituted at 2-8°C for one week or (in aliquots) at -20°C for longer.

Avoid Repeated thawing and freezing.

Shelf life: one year from despatch.