

AP21437AF-N**Polyclonal Antibody to Fibrinogen - Azide Free****Alternate names:**

FGA, FGB, FGG

Quantity:

10 mg

Concentration:

10 mg/ml

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, releasing the fibrinopeptides A and B (molecular weight 50,000-65,000) and forming fibrin monomers. Fibrin monomers polymerize to fibrin which is stabilized by cross-linking under the influence of factor XIII. The predominant gamma chain of normal fibrinogen (MW 50,000, with higher variants) has a low affinity for platelet binding.

Host / Isotype:

Goat / IgG

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 purified hyperimmune IgG fraction**Buffer System:** PBS, pH 7.2 without preservatives**Reconstitution:** Restore by adding 1 ml of sterile distilled water.**Applications:**

Can be used as unlabelled primary or secondary antibody reagent for the indirect detection of Fibrinogen in dog cells, tissues and body fluids in Immunofluorescence and immunoenzyme methods; for the production of immunoconjugates with a selected marker; to prepare insoluble immunoaffinity adsorbents by coupling to an artificial carrier; as catching or detection reagent in non-isotopic methodology and solid phase immunochemistry (e.g. ELISA).

Recommended Dilutions:

Histochemistry: 1/50-1/250.

ELISA and comparable non-precipitating antibody-binding assays: 1/500-1/5,000.

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 Fibrinogen. In Immunoelectrophoresis and Radial Immunodiffusion (Ouchterlony), using various antiserum concentrations against normal dog 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 component 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 Dog 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: Canine. 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.