

Datasheet for ABIN457945 **anti-Fibrinogen antibody**



[Go to Product page](#)

Overview

Quantity:	1 mL
Target:	Fibrinogen
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Fibrinogen antibody is un-conjugated
Application:	Immunodiffusion (ID), Immunoelectrophoresis (IEP), Radial Immunodiffusion (RID)

Product Details

Immunogen:	<p>Fibrinogen (clotting factor I) is a heat labile beta glycoprotein (molecular weight 340,000) and consists of three pairs of chains bound by disulphide bonds. It is synthesized in hepatocytes under genetic control. 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. Fibrinogen is isolated from fresh plasma after removing prothrombin. Freund's complete adjuvant is used in the first step of the immunization procedure.</p>
Isotype:	IgG
Specificity:	The antiserum does not cross react with any other component of human plasma. Inter-species cross-reactivity is a normal feature of antibodies to plasma proteins since they frequently share

Product Details

antigenic determinants. of this antiserum has not been tested in detail.

Characteristics: Precipitating polyclonal goat antiserum to human fibrinogen

Purification: Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies reacting with other plasma proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.

Target Details

Target: Fibrinogen

Abstract: [Fibrinogen Products](#)

Background: The reactivity of the antiserum is restricted to fibrinogen. In immunoelectrophoresis and radial immunodiffusion (Ouchterlony), using various antiserum concentrations against fresh normal human 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

Application Details

Application Notes: In precipitating techniques as immunoelectrophoresis and single or double radial immunodiffusion to identify the presence of fibrinogen in human plasma or other body fluids or to determine its concentration. The normal concentration of fibrinogen in the blood is 2.5 to 3.5 ml /ml, but lower levels are usually adequate for haemostasis. In newborn infants the value is 1.2 to 2.4 mg/ml.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added. Antibody titre: Precipitin titre 1:16 when tested against pooled normal human plasma in agar-block immunodiffusion titrat

Buffer: Delipidated, heat inactivated, lyophilized, stable whole antiserum

Preservative: Without preservative

Handling

Storage: 4 °C