

Datasheet for ABIN458335
anti-Fibrinogen antibody

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Overview

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

Product Details

Immunogen:	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. Fibrinogen is isolated from fresh plasma after removing prothrombin. Freund's complete adjuvant is used in the first step of the immunization procedure.
Isotype:	IgG
Specificity:	The antiserum does not cross-react with any other component of mouse plasma. Inter-species cross-reactivity is a normal feature of antibodies to plasma proteins since they frequently share antigenic determinants. of this antiserum has not been tested in detail.
Characteristics:	Precipitating polyclonal goat antiserum to mouse fibrinogen
Purification:	Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate

Product Details

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.

Target Details

Target:	Fibrinogen
Abstract:	Fibrinogen Products
Background:	The reactivity of the antiserum is restricted to mouse fibrinogen molecule. In immuno-electrophoresis and radial immunodiffusion, using various antiserum concentrations against normal mouse 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

Application Details

Application Notes:	In precipitating techniques as immunoelectrophoresis and single or double radial immunodiffusion (Mancini, Ouchterlony) to identify the presence of fibrinogen in mouse plasma or other body fluids or to determine its concentration.
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 1:32 when tested against pooled normal mouse plasma in agar-block immunodiffusion titrat
Buffer:	Delipidated, heat inactivated, lyophilized, stable whole antiserum
Preservative:	Without preservative
Storage:	4 °C

Publications

Product cited in:	Miles, Baik, Lighvani, Khaldoyanidi, Varki, Bai, Mueller, Parmer: "Deficiency of plasminogen receptor, Plg-RKT , causes defects in plasminogen binding and inflammatory macrophage
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recruitment in vivo." in: **Journal of thrombosis and haemostasis : JTH**, Vol. 15, Issue 1, pp. 155-162, (2018) ([PubMed](#)).

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Díaz-Trelles, Scimia, Bushway, Tran, Monosov, Monosov, Peterson, Rentschler, Cabrales, Ruiz-Lozano, Mercola: "Notch-independent RBPJ controls angiogenesis in the adult heart." in: **Nature communications**, Vol. 7, pp. 12088, (2016) ([PubMed](#)).

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Lin, Kwong, Warren, Wood, Bhatia: "Nanoparticles that sense thrombin activity as synthetic urinary biomarkers of thrombosis." in: **ACS nano**, Vol. 7, Issue 10, pp. 9001-9, (2014) ([PubMed](#)).