OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AP21470BT-N

Fibrinogen Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ID, IF, IHC, IP, WB
Recommended Dilution:	Suitable for the direct detection of Fibrinogen in Mouse cells, tissues and body fluids in Immunocytochemical and Immunohistochemical assays, as detection reagent in non-isotopic methodology and solid phase Immunochemistry (e.g. ELISA). As a second step an avidin or streptavidin conjugate of the user's choice has to be used. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal. Recommended Dilutions: Histochemical/Cytochemical Use: 1/100-1/250. ELISA and comparable non-precipitating antibody-binding assays: 1/1,000-1/8,000.
Reactivity:	Mouse
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fibrinogen is isolated from fresh plasma after removing Prothrombin. Freund's complete adjuvant is used in the first step of the immunization procedure.
Specificity:	The reactivity of the antiserum is restricted to Fibrinogen. In Immunoelectrophoresis and Radial Immunodiffusion (Ouchterlony), 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 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 Mouse plasma. Inter-species crossreactivity 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.

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Formulation:	PBS, pH 7.2 without preservatives. Label: Biotin State: Lyophilized purified IgG fraction. Molar radio: Biotin/IgG ~5.4
Reconstitution Method:	Restore by adding 1 ml of sterile distilled water.
Concentration:	lot specific
Purification:	Hyperimmune antisera with strong precipitating activity are selected for fractionation by saltprecipitation and purification of the IgG fraction by DEAE-chromatography.
Conjugation:	Biotin
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.
Stability:	Shelf life: one year from despatch.
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.
Synonyms:	FGA, FGB, FGG
Note:	Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies cross-reacting with other with other plasma proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.