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Product datasheet for AP21437HR-N

Fibrinogen Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ID, IF, IHC, IP, WB
Recommended Dilution:	Can be used Enzyme-immunocytochemical and immunohistochemical techniques for the detection of fibrinogen at the cellular and subcellular level in appropriately treated cell and tissue substrates; as detection reagent in non-isotopic methodology and solid phase immunochemistry (e.g. ELISA, Western blotting). 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 and Cytochemical Use: 1/100-1/500 ELISA and comparable non-precipitating antibody-binding assays: 1/3,000-1/10,000.
Reactivity:	Canine
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 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 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.

Formulation:	PBS, pH 7.2 without preservatives. Label: HRP State: Lyophilized purified IgG fraction. Label: Horseradish Peroxidase Molar radio: Peroxidase/IgG ~1.7
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:	HRP
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, 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.
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.