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Goat anti Mouse fibrinogen

Catalogue number: **GAM/Fbg**

Clone	Polyclonal
Product Type	Primary Antibodies
Units	1 ml
Host	Goat
Species reactivity	Mouse
Application	Immunoprecipitation

Distributors

For Purchasing Information, please contact your local distributor

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Background

The reactivity of the antiserum is restricted to mouse fibrinogen molecule. In immunoelectrophoresis 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. 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.

Source

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.

Product

Delipidated, heat inactivated, lyophilized, stable whole antiserum. No preservative added as it may interfere with the antibody activity. Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added.

Applications

Immunoprecipitation. The lyophilized antiserum is shipped at ambient temperature and may be stored at +4°C; prolonged

storage at or below -20°C. Reconstitute the lyophilized antiserum by adding 1 ml sterile distilled water. Dilutions may be prepared by adding phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the antiserum. Diluted antiserum should be stored at +4°C, not refrozen, and preferably used the same day.

Cross Reactivity

The antiSerum does not cross-react with any other component of Mouse plasma. Interspecies 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.

Specificity

Precipitating polyclonal Goat antiSerum to Mouse fibrinogen

Storage

Lyophilized at +4° C--at least 10 years. Reconstituted at or below -20° C--3-5 years. Reconstituted at +4° C--7 days

References

1. Ploplis VA, Donahue DL, Sandoval-Cooper MJ, Caffaro MM, Sheets P, Thomas SG, Walsh M, Castellino FJ. (2014) Systemic Platelet Dysfunction is the Result of Local Dysregulated Coagulation and Platelet Activation in the Brain in a Rat Model of Isolated Traumatic Brain Injury. ahead of print. doi:10.1089/neu.2013.3302.

Caution

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. This datasheet is as accurate as reasonably achievable, but Nordic-MUbio accepts no liability for any inaccuracies or omissions in this information.