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Goat anti Human prekallikrein

Catalogue number: **GAHu/PKK**

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

Distributors

For Purchasing Information, please contact your local distributor

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Background

The defined antibody specificity is to prekallikrein. Plasma kallikrein is present in two slightly different forms. This corresponds with two different forms of kallikrein after prekallikrein has been activated by Factor XIIa. Inactive plasma prekallikrein and active kallikrein may react with the antiserum. Although prekallikrein exhibits structural homology to Factor XI, the antiserum does not react with Factor XI. As precipitating antiserum in electroimmunodiffusion, immunoelectrophoresis and radial immunodiffusion. This does not exclude the use of the antiserum in more sensitive techniques if proper controls are included.

Source

Prekallikrein is a single-chain. Glycoprotein (MW 88,000) present in inactive form in plasma, pancreas and intestine. Prekallikrein is activated to kallikrein by Factor XIIa which in turn results from activation of Factor XII by prekallikrein combined with Factor XII and highmolecular- weight kininogen (HMWK). It releases kinins from the low-molecular-weight and the high-molecular-weight kininogen. Highly purified molecular weight kininogen isolated from pooled plasma. Freund's complete adjuvant is used in the first step of the immunization procedure.

Product

Delipidated, heat inactivated, lyophilized, stable whole serum. No preservative added. Total protein and IgG concentration in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added.

Applications

Immunoprecipitation. In electroimmunodiffusion (Laurell) the amount of antiserum required in the agarose gel is usually between 1 and 2%, depending on the test arrangement.

Cross Reactivity

The antiSerum does not cross-react with any other Human plasma proteins as tested in geldiffusion techniques. Inter-species cross-reactivity is a normal feature of antibodies to plasma proteins, since homologous proteins of different species frequently share antigenic determinants. Cross-reactivity of this antiSerum has not been tested in detail, however in double radial immunodiffusion a reaction with Monkey has been observed.

Specificity

Precipitating polyclonal Goat antiSerum to Human prekallikrein

Storage

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.

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

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.