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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Goat anti Human C1r

Catalogue number: **GAHu/C1r**

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 reactivity of the antiserum is restricted to C1r. In immunoelectrophoresis and radial immunodiffusion (Ouchterlony), using various antiserum concentrations against fresh normal human plasma a single precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified C1r protein. Complexes containing C1q may also react with the antiserum. No reaction is obtained with C1q, C1s or any other plasma protein component or serum. In precipitating techniques as immunoelectrophoresis and single or double radial immunodiffusion to identify the presence of C1r or C1r containing complexes in human plasma or other body fluids or to determine its concentration. The presence of non precipitating antibodies has not been assayed. This does not exclude the use of the antiserum in more sensitive non-precipitating antibody-binding techniques if proper controls are included.

Source

C1 component of human complement is a complex of three glycoproteins: C1q, C1r and C1s. C1r has a molecular weight of 83,000 and is present in plasma in an average concentration of 50 µg/ml, either as a complex with C1q and C1s or in the absence of C1q as a tetramer with C1s. The subcomponents of the C1 complex are responsible for the initiation of the classical pathway of complement activation. The subunit C1r is isolated as a homogenous protein for use in antiserum production. Freund's complete adjuvant is used in the first step of the immunization procedure.

Product

Delipidated, heat inactivated, lyophilized, stable IgG fraction No preservative added. IgG protein concentration 11.8 mg/ml. 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 Human plasma. Inter-species 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 the C1r subunit of C1 component of Human complement

Storage

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.