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Diagnostik & molekulare Diagnostik



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- Mindermengenzuschlag
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Rabbit anti Human alpha-1 foetoprotein, conjugated with FITC

Catalogue number: **RAHu/AFP/FITC**

Clone	Polyclonal
Product Type	Primary Antibodies
Units	1 ml
Host	Rabbit
Species reactivity	Human
Application	ELISA Immunocytochemistry Immunofluorescence Immunohistochemistry (frozen)

Distributors

For Purchasing Information, please contact your local distributor

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Background

The reactivity of the antiserum is restricted to alpha-foetoprotein. In immunoelectrophoresis and radial immunodiffusion, using various antiserum concentrations against amniotic fluid, hepatoma sera and purified alpha-foetoprotein a single precipitin line is obtained. No precipitation reaction is obtained with normal human serum. To identify and measure alpha foetoprotein at the cellular and subcellular level by immunofluorescence staining of appropriately treated cell and tissue substrates, 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.

Source

Purified human alpha-foetoprotein is isolated from pooled amniotic fluid and hepatoma serum, using a proprietary multiple step method. Several foetoproteins have been demonstrated in human foetal serum and amniotic fluid. One of the best studied is the alpha-foetoprotein. It can easily be identified immunochemically because of its distinct antigenicity. In electrophoresis its relative mobility is between the albumin and alpha-1 globulin fractions. Its molecular weight is 64,000, the carbohydrate content is relatively low. The concentration of alpha-foetoprotein gradually decreases during foetal growth. It is not found in normal adult serum, but reappears in most human developing hepatoma. In pooled foetal/newborn serum a concentration of 1 mg/ml has been measured. Freund's complete adjuvant is used in the first step of the immunization procedure.

Product

FITC-coupled purified hyperimmune rabbit IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2). No preservative added.

Applications

ELISA, Immunocytochemistry, Immunohistochemistry (frozen), (In)direct immunofluorescence.

Cross Reactivity

The antiSerum does not cross react with any other Human plasma proteins as tested in gel-diffusion techniques. Inter-species cross reactivity is a normal feature of antibodies to mammalian Serum proteins, since homologous proteins of different species frequently share antigenic determinants. Cross-reactivity of this antiSerum has not been tested in detail.

Specificity

Fluorescein isothiocyanate-conjugated IgG fraction of polyclonal Rabbit antiSerum to Human alphafoetoprotein.

Storage

The lyophilized conjugate is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. It is reconstituted by adding 1 ml sterile distilled water, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20°C. Prior to use, an aliquot is thawed slowly in the dark at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the immunoconjugate. 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.