



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Sheep anti Rat alpha foetoprotein, conjugated with FITC

Catalogue number: **ShARa/AFP/FITC**

Clone	Polyclonal
Product Type	Primary Antibodies
Units	1 ml
Host	Sheep
Species reactivity	Rat
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 double radial immunodiffusion, using various antiserum concentrations against amniotic fluid, rat hepatoma sera and purified alpha-foetoprotein a single characteristic precipitin line is obtained. No reaction is obtained with rat sera of different strains. To identify and measure alpha foetoprotein at the cellular and subcellular level by immunofluorescence staining of appropriately treated cell and tissue substrates and to identify and measure alpha-foetoprotein in rat serum or other body fluids. 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 rat alpha-foetoprotein is isolated from pooled amniotic fluid and hepatoma serum using a proprietary multiple step method. Several foetoproteins have been demonstrated in rat foetal serum and amniotic fluid. One of the best studied is the alpha-foetoprotein. It can be easily identified immunochemically because of its distinct antigenicity. In electrophoresis its relative mobility is between the albumin and the alpha-1 globulin fractions. Its molecular weight is 65,000, the carbohydrate content is relatively low. Freund's complete adjuvant is used in the first step of the immunization procedure.

### Product

FITC-coupled purified hyperimmune sheep IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2). No preservative added, as it may interfere with the activity of the conjugate.

**Applications**

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

**Cross Reactivity**

Inter-species cross-reactivity is a normal feature of antibodies to mammalian 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 (Ouchterlony) a precipitation reaction has been observed with Mouse amniotic fluid.

**Specificity**

Fluorescein isothiocyanate-conjugated IgG fraction of polyclonal Sheep antiSerum to Rat alpha foetoprotein.

**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.