



# 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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## Swine anti Human IgG (Fc specific), conjugated with FITC

Catalogue number: **SwAHu/IgG(Fc)/FITC**

|                    |   |
|--------------------|---|
| Clone              | Polyclonal  |
| Product Type       | Secondary Antibodies  |
| Units              | 1 ml  |
| Host               | Swine   |
| Species reactivity | Human   |
| Application        | ELISA<br>Immunocytochemistry<br>Immunofluorescence<br>Immunohistochemistry (frozen) |

## Distributors

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### Background

The reactivity of the antiserum is directed to the Fc subunit of the IgG molecule. In immunoelectrophoresis and double radial immunodiffusion, using various antiserum concentrations against normal human plasma and serum, a single characteristic precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified IgG. No reaction is obtained with purified IgA, IgM and IgG/Fab fragments. In direct staining of cytoplasmic IgG in fixed human cells and tissue substrates; to identify circulating IgG antibodies in serodiagnostic microbiology and autoimmune diseases; to identify a specific antigen or immune complex using a reference antibody of human in the middle layer of the test procedure. 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 normal IgG isolated from pooled human serum. Freund's complete adjuvant is used in the first step of the immunization procedure.

### Product

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

### Applications

ELISA, Immunocytochemistry, Immunohistochemistry (frozen),

(In)direct immunofluorescence.

### **Cross Reactivity**

Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since IgG of different species frequently share antigenic determinants. Cross-reactivity of this antiSerum has been tested in double radial immunodiffusion with the following results: Bovine - Cat - Chicken - Dog ± Duck - Goat - Guinea Pig ± Hamster ± Horse - Monkey + Mouse - pigeon - Rabbit ± Rat - Sheep - Turkey - A negative cross-reaction in double radial immunodiffusion does not exclude some reaction in more sensitive techniques. In ELISA a faint reaction with Dog and Rat has been observed.

### **Specificity**

Fluorescein isothiocyanate-conjugated IgG fraction of polyclonal Swine antiSerum to Human IgG, Fc specific.

### **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.