



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC Handels GmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7


[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 



## Sheep anti Human secretory component (free and bound), conjugated with Biotin

 [nordicmubio.com/products/sheep-anti-human-secretory-component-free-and-bound-conjugated-with-biotin/ShAHu\\_slash\\_SC\\_slash\\_Bio](https://nordicmubio.com/products/sheep-anti-human-secretory-component-free-and-bound-conjugated-with-biotin/ShAHu_slash_SC_slash_Bio)

Catalog number: **ShAHu/SC/Bio**

Clone	Polyclonal
Product Type	Polyclonal Antibody
Units	1 ml
Host	Sheep
Species Reactivity	Human
Application	Dot blot ELISA Immunoblotting Immunocytochemistry Immunohistochemistry (paraffin)

### Background

Tested in immunoelectrophoresis, double radial immunodiffusion and ELISA against a panel of appropriate secretions and purified Ig isotypes. The antiserum reacts with both bound secretory component (secretory IgA) and with the free SC present in human secretions. In immunoelectrophoresis against human milk, using a high electroendosmosis agar plate, free SC is precipitated in the alpha-2 region. The immunoconjugate does not react with other molecular forms of IgA, or with any other secretory or plasma protein. In immunocytochemical and immunohistochemical staining for the detection of free SC and secretory IgA at the cellular and subcellular level by staining of appropriately treated cell and tissue substrates. In non-isotopic assay methodology (e.g. ELISA) to identify and measure SC or secretory IgA in human body fluids. As a second step an avidin or streptavidin conjugate of the user's choice has to be used. 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**

Secretory component is present in human secretions bound to secretory IgA (sIgA) and in free form. Secretory IgA (sIgA) functions as a dimer or polymer and accounts for almost all specific mucosal antibody activity. A molecule of sIgA is made up of two molecules of IgA, one J chain and one SC (MW 65,000). The dimer IgA is transported into secretions by its binding to the SC on the epithelial cells. Under normal conditions, sIgA contains both subclasses IgA1 and IgA2, since both are capable of binding SC. SC also has an affinity for polymeric IgM. Purified free human secretory component isolated from pooled milk is used for immunization. Freund's complete adjuvant is used in the first step of the immunization procedure.

**Product**

Biotin-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 antibody activity. 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.

*Product Form:* Biotin conjugated

**Specificity**

Biotin-conjugated IgG fraction of polyclonal sheep antiserum to human secretory component, free and bound

*Species Reactivity:* Inter-species cross-reactivity is a normal feature of antibodies to proteins, since homologous proteins of different species frequently share antigenic determinants. Cross-reactivity of this antiserum has not been tested in detail.

**Applications**

ELISA, Immunocytochemistry, Immunohistochemistry (paraffin), Dot blot, Immunoblotting.

**Storage**

The lyophilized conjugate is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. Prior to use, an aliquot is thawed slowly 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.

*Shipping Conditions:* Ship at ambient temperature.

**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. It may contain hazardous ingredients. Please refer to the Safety Data Sheets (SDS) for

additional information and proper handling procedures. Dispose product remainders according to local regulations. This datasheet is as accurate as reasonably achievable, but Exalpha Biologicals accepts no liability for any inaccuracies or omissions in this information.