



# 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 HandelsgmbH

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) 



---

## S-100 beta - Nordic MUBio

---

[nordicmubio.com/product/s-100-beta](http://nordicmubio.com/product/s-100-beta)

---

### S-100 beta

---

Catalogue number: **SM100**

Clone	SH-B1
Isotype	IgG1
Product Type	Primary Antibodies
Units	1 ml
Host	Mouse
Application	Immunohistochemistry (paraffin)

### Background

The S-100 antibody has frequently been used for the detection of melanoic tumours. In brain tumours and metastases the antibody may be used for differentiation between glia derived tissue and tissues derived from other cell types. S-100 helps in differentiation of Melanoma and Schwannoma from other soft tissue tumours. It is also found in tumours of the salivary glands. S-100 is a homo- or heterodimer filament protein, composed of an alpha and a beta chain. In normal tissues it is found in glia and ependyma of the brain. In the periphery it is found in Schwann Cells, Melanocytes and in Langerhans Cells of the skin. In lymph nodes Interdigitating Cells are labelled. S-100 Ao, which is exprimed e.g. by neurons, heart muscle and monocytes, will not be detected by this monoclonal antibody. S-100  $\beta$ , S-100 A (alpha/beta) and S-100 B (beta/beta), not reactive with S-100 Ao (alpha/alpha), Calmodulin, Parvalbumin and other Ca-binding proteins.

### Source

*Immunogen:* Purified S-100 $\beta$  protein from bovine brain

### Product

Antibody solution in stabilizing phosphate buffer pH 7.3. Contains 0.09 % sodium azide\*\*. The volume is sufficient for at least 200 immunohistochemical tests (100  $\mu$ l

working solution / test). Use appropriate antibody diluent e.g. BIOLOGO Art .No. PU002.

*Purification Method:* Antibody solution in stabilizing phosphate buffer pH 7.3. Contains 0.09 % sodium azide\*\*. The volume is sufficient for at least 200 immunohistochemical tests (100 µl working solution / test). Use appropriate antibody diluent e.g. BIOLOGO Art .No. PU002.

*Secondary Reagents:* We recommend the use of BIOLOGO's Universal Staining System DAB (Art. No. DA005) or AEC (Art.-No. AE005).

## **Specificity**

*Species Reactivity:* Cattle, human, cat, rabbit, rat, pig

## **Applications**

IHC(P)

*Incubation Time:* 60 min at RT

*Working Concentration:* (liquid conc.) Dilution 1:20 - 1:50 IHC(P)

*Pre-Treatment:* Formaldehyde-fixed tissue should be pre-treated with 0.1% pronase (Art. No. DE110) to give best results. Unmasking methods involving microwave or steam cooking are not recommended!

*Positive Control:* Skin, myelinated nerves

## **Storage**

2-8°C

## **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 Nordic-MUBio accepts no liability for any inaccuracies or omissions in this information.

## **References**

1. Moore B.W. (1965) A soluble protein characteristic of the nervous system. Biochem. Biophys. Res. Comm.; 19; 739-744.
2. Kindblom L.-G, Lodding P., Rosengren L., Baudier J., Haglid K. (1984) S-100 protein in melanocytic tumors. Acta path. microbiol. Immunol. Scand. Sect. A 92; 219-230.
3. Lauriola L., Michetti F., Sentinelli S., Cocchia D. (1984) Detection of S-100 labelled cells in nasopharyngeal carcinoma. J. Clin. Pathol. 37; 1235-1238.
4. Winek R.R. Scheithauer B.W. Wick M.R. (1989) Meningioma,

meningeal hemangiopericytoma (angioblastic meningioma), peripheral hemangiopericytoma, and acoustic schwannoma. A comparative immunohistochemical study. Am. J. Surg. Pathol. 13(4); 251-261.

**Safety Datasheet(s) for this product:**

NM\_Sodium Azide

</wp-content/uploads/SDS/Antibody SDS with Sodium Azide Noridic-MUbio.pdf>