



# 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

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## Ki-67, Cell Cycle Marker (MIB-1)

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[nordicmubio.com/product/ki-67-cell-cycle-marker-mib-1](http://nordicmubio.com/product/ki-67-cell-cycle-marker-mib-1)

Catalogue number: **KI500**

Clone	MIB-1
Isotype	IgG1
Product Type	Primary Antibodies
Units	5 ml
Host	Mouse
Application	Immunohistochemistry (frozen) Immunohistochemistry (paraffin)

### Background

In retrospective studies the intensity of staining and the frequency of Ki-67 expression in cell nuclei was interpreted as a prognostic factor for the malignancy of tumours (Gerdes et al., 1987). Ki-67 Protein is a nuclear protein, which is ubiquitous present during cell division, that means in all phases of mitosis (S1, G1, G2 and M phase). The protein is strongly expressed in proliferating tissues e.g. embryonal tissue and rapidly growing tumours. Ki-67 nuclear protein.

### Source

*Immunogen:* Human nuclear Ki-67 antigen

### Product

Antibody solution in stabilizing phosphate buffer pH 7.3. Contains 0.09 % sodium azide\*\*. The volume is sufficient for at least 50 immunohistochemical tests (100 µl working solution / test). Use appropriate antibody diluent e.g. BIOLOGO Art. No. PU002, if further dilution is required.

*Purification Method:* Antibody solution in stabilizing phosphate buffer pH 7.3. Contains 0.09 % sodium azide\*\*. The volume is sufficient for at least 50 immunohistochemical tests (100 µl working solution / test). Use appropriate antibody diluent e.g. BIOLOGO Art. No. PU002, if further dilution is required.

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

## **Specificity**

*Species Reactivity:* Human

## **Applications**

IHC(C, P)

*Incubation Time:* 60 min at RT

*Working Concentration:* (RTU) neat

*Pre-Treatment:* Unmasking fluid G (Art. No. DE007) or C (Art. No. DE000) at 90-100°C

*Positive Control:* Breast or colon carcinoma

## **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. Gerdes J., Schwab U., Lemke H., and Stein H. (1983) Production of a mouse monoclonal antibody reactive with a human nuclear antigen associated with cell proliferation. *Int. J. Cancer* 31; 13-20.
2. Gerdes J., Stein H., Pileri S., Rivano M.T., Gobbi M., Ralfkiaer E., Nielsen K.M., Pallesen G., Bartels H., Palestro G., and Delsol G. (1987) Prognostic relevance of the tumour-cell growth fraction in malignant non-Hodgkin's lymphomas. Letter to the editor: *Lancet* ii, 448-449.
3. Gerdes J., Becker M.H.G., Key G., and Cattoretti G. (1992) Immunohistochemical detection of tumour growth fraction (Ki-67 antigen) in formalin-fixed and routinely processed tissues. *J. Pathol.*, 168; 85-86.
4. Kubbutat M.H.G., Cattoretti G., Gerdes J., Key G., (1994) Comparison of monoclonal antibodies PC10 and MIB-1 on microwave-processed paraffin sections. *Cell Proliferation* 27; 553-559.

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

NM\_Sodium Azide

[/wp-content/uploads/SDS/Antibody SDS with Sodium Azide Noridic-MUBio.pdf](#)