



# 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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## Pan-Cytokeratin, 2 Clones (AE1/AE3)

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[nordicmubio.com/product/pan-cytokeratin-2-clones-ae1-ae3](http://nordicmubio.com/product/pan-cytokeratin-2-clones-ae1-ae3)

Catalogue number: **CK102**

Clone	AE1/AE3
Isotype	IgG1
Product Type	Primary Antibodies
Units	1 ml
Host	Mouse
Application	Immunohistochemistry (frozen) Immunohistochemistry (paraffin)

### Background

Pan-Cytokeratin (AE1/AE3) contains two different clones, which label the majority of normal epithelia and carcinoma. Cytokeratins are a group of water soluble filament proteins, which are components of the cytoskeleton of the epidermis and other epithelial cells. Gelelectrophoretic investigation revealed 20 different Cytokeratins, characterised by different molecular sizes and pI-values. They can be subdivided into basic and acid subfamilies. The nomenclature according to Moll et al. (1982) is most commonly used. Basic cytokeratins (52-67 kD) and acid cytokeratins (40, 48, 50, 50', 56,5 kD) CK 1-8, 10, 14-16 and 19 according to the nomenclature by Moll (1982) .

### Source

*Immunogen:* Human epithelial keratins

### 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 µl 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.

*Concentration:* 70 µg/ml

*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, chicken, cattle, rabbit, mouse, rat

## **Applications**

IHC(C, P)

*Incubation Time:* 60 min at RT

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

*Pre-Treatment:* Paraffin sections may be pre-treated with 1 % protease solution (Unmasking fluid P, Art.-No. DE110) for 15 min at RT, improvement of staining may be achieved with Unmasking Fluid G (Art. No. DE007) or Unmasking Fluid C (Art. No. DE000).

*Positive Control:* Appendix

## **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. Moll R., Franke W.W., Schiller D.L., Geiger B., and Krepler R. (1982) The Catalog of Human Cytokeratins: Patterns of Expression in Normal Epithelia, Tumors and Cultured Cells. Cell 31; 11 ff. 2. Sun T.-T. Tseng S.C.G., Huang A.J.W., Cooper D., Lynch M.H., Weiss R., Eichner R., and Schermer (1985) Monoclonal antibody studies of keratin expression: A review. In: Intermediate Filaments , Wang E. et al. eds. N.Y. Acad. Sci. 455, pp 307 ff.

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

NM\_Sodium Azide

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