



# 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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## Cytokeratin 7 - Nordic MUBio

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[www.nordicmubio.com/product/cytokeratin-7](http://www.nordicmubio.com/product/cytokeratin-7)

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### Cytokeratin 7

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Catalogue number: **CK007-0.1**

Clone	OV-TL12/30
Isotype	IgG1
Product Type	Primary Antibodies
Units	100 µg
Host	Mouse
Application	Immunohistochemistry (frozen) Immunohistochemistry (paraffin)

### Background

Cytokeratin 7 is a basic filament protein, which is expressed by many epithelial cells, especially those of the ductal and glandular types. The antibody doesn't react with squamous epithelia but with transitional cell epithelia of the urinary tract. Epithelia of the lung and breast are positive while colon and prostate remain unstained. The antibody is helpful for the differentiation of colon and ovarian cancer cells in ascites. Cytokeratins are a group of water soluble filament proteins, which are components of the cytoskeleton of the epidermis and other epithelial cells. Gel-electrophoretic 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 Cytokeratin, 54 kD, CK 7 (Moll).

### Source

*Immunogen:* Ovarian carcinoma cell line OTN 11

### Product

Antibody solution in stabilizing phosphate buffer pH 7.3. Contains no BSA, but 0.09 % sodium azide\*\*.

*Purification Method:* Antibody solution in stabilizing phosphate buffer pH 7.3.  
Contains no BSA, but 0.09 % sodium azide\*\*.

*Concentration:* 1 mg/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 (exclusively)

## **Applications**

IHC(C, P)

*Incubation Time:* 60 min at RT

*Working Concentration:* (liquid conc.) 1:100-1:200

*Pre-Treatment:* Improvement of staining with Unmasking Fluid G (Art. No. DE007) or Unmasking Fluid C (Art. No. DE000)

*Positive Control:* Ovarian 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. 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.
3. Ramaekers F., Huysmans A., Schaart G., Moesker O., Vooijs P. (1987) Tissue distribution of keratin 7 as monitored by a monoclonal antibody. *Exp. Cell Res.* 170; 235-249.
4. Van de Molenkraf F.J.J.M., van Niekerk C.C., Jap P.H.K., Poels L.G. (1993) OV-LT 12/13 (keratin 7 antibody) is a marker of glandular differentiation in lung cancer. *Histopathology* 22; 35-38.

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

NM\_Sodium Azide

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