



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

www.szabo-scandic.com

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



Catalogue

 nordicmubio.com/products/cytokeratin-7/CK507

Cytokeratin 7

Catalog number: **CK507**

Clone	OV-TL12/30
Isotype	IgG1
Units	5 ml
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 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: 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 Exalpha Biologicals 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 Molenkraft 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