



SZABO SCANDIC

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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) 



Collagen Type IV, human

nordicmubio.com/product/collagen-type-iv-human

Catalogue number: **CO105**

Clone	COL 94
Isotype	IgG1
Product Type	Primary Antibodies
Units	1 ml
Host	Mouse
Application	Immunohistochemistry (frozen) Immunohistochemistry (paraffin) Western Blotting

Background

Type IV Collagen is a non-fibrillary network of different alpha-chains: alpha 1(IV) to alpha 6(IV). It is typically found in basal membranes of different organs (e.g. skin, lens, lung, kidney). Collagens consist of a family of highly specialized glycoproteins of which at least 16 genetically distinct types are known to date. The basal unit of a collagen molecule consists of a triple-helical structure formed by 3 alpha-chains. Predominant amino acids are glycine, proline and hydroxyproline. Regularly also lysines and hydroxylysines occur, which are responsible for cross-linkage and glycosylation of the protein chains. Different composition of alpha-chains and different glycosylation contribute to the high variability of collagens in different tissues and organs. Human Collagen IV, no cross-reactivity with other Collagen types, Vitronectin, Fibronectin or Chondroitinsulfate.

Source

Immunogen: Purified human Collagen IV

Product

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

Concentration: app. 100 µg/ml

Secondary Reagents: Anti-mouse IgG-conjugates, e.g. Anti-mouse IgG:FITC (Art. No. FI-2000) or anti-mouse IgG:DyLight488 (Art. No. DI-2488).

Specificity

Species Reactivity: Human and other primates (no reactivity in chicken, cat, rabbit, rat, sheep and goat)

Applications

IHC(C,P), WB

Incubation Time: 60 min at RT

Working Concentration: (liquid conc.) 1:10 - 1:50

Pre-Treatment: After de-waxing the tissue slices they are treated with 0.2% hyaluronidase (app. 300 U/mg e.g. Art. No. HYA02-50) in TBS 15 min at 37°C. Thereafter non-specific binding is blocked by blocking serum or 3% BSA in TBS. For peroxidase systems blocking with 1% peroxide solution in TBS for 30 min at RT is recommended.

Positive Control: Human skin, placenta or lens capsule

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. Odermatt B.F., Lang A.B., Rüttner J.R., Winterhalter K.H., and Trüb B. (1984) Monoclonal antibodies to human type IV collagen: useful reagents to demonstrate the heterotrimeric nature of the molecule. Proc. Natl. Acad. Sci. 81; 7343-7347.

Protein Reference(s)

Database Name: UniProt

Accession number: P02462 (CO4A1_HUMAN) ; P08572 (CO4A2_HUMAN); P2940

Species Accession: Human

Safety Datasheet(s) for this product:

NM_Sodium Azide

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