



# 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](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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



---

## Collagen Type II, chicken

---

[nordicmubio.com/product/collagen-type-ii-chicken-2](http://nordicmubio.com/product/collagen-type-ii-chicken-2)

Catalogue number: **CO20231-0.1**

Product Type	Primary Antibodies
Units	0.1 ml
Host	Rabbit
Application	ELISA Immunofluorescence Immunohistochemistry (paraffin) Radioimmunoassay

### Background

Type II collagen is an alpha1(II)-trimer, which forms 67 nm cross-banded fibrils. Typically it can be observed in cartilage and various tumours. 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 hydroxproline. 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. Chicken collagen type II 100%, no crossreactivity with chicken collagen type I and III, no crossreactivity with human, mouse and rat collagen type II..

### Source

*Immunogen:* Purified collagen type II from fetal chicken cartilage

### Product

affinity purified antibody lyophilized from phosphate buffered solution; no BSA and preservative added!

*Purification Method:* affinity purified antibody lyophilized from phosphate buffered solution; no BSA and preservative added!

*Concentration:* app. 1 mg/ml

*Secondary Reagents:* Anti-rabbit IgG-conjugates, e.g. anti-rabbit IgG:FITC (Art. No. FI-1000) or anti-rabbit IgG:DyLight488 (Art. No. DI-1488).

## **Specificity**

*Species Reactivity:* Chicken

## **Applications**

IHC(P), IFA, ELISA, RIA

*Incubation Time:* IHC(P) 60 min at RT or 2-8°C over night

*Working Concentration:* (purified, lyophilized) IFA 1:40, IHC(P) 1:200 - 1:600

*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:* Chicken cartilage

## **Storage**

-20°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. Tacchetti C., Quarto R., Nitsch L., Hartmann D.J., Cancedda R. (1987) In vitro morphogenesis of chick embryo hypertrophic cartilage. *J. Cell. Biol.* 105, 999-1006.
2. Mallein-Gerin F., Ruggiero F., Garrone R. (1990) Proteoglycan core protein and type II collagen gene expressions are not correlated with cell shape changes during low density chondrocyte cultures. *Differentiation* 43, 204-211.
3. Anselme K., Lanel B., Gentil C., Hardouin P., Marie P.J., Sigot-Luizard M.F. (1994) Bone organotypic culture method: a model for cytocompatibility testing of biomaterials. *Cells and Materials* 4, 113-123.
4. Rousseau J.C., Farjanel J., Boutillon M.M., Hartmann D.J., van der Rest M., Moradi-Ameli M. (1996) Processing of Type XI Collagen. *J. Biol. Chem.* 271, 23743-23748.

## **Protein Reference(s)**

*Database Name:* UniProt

*Accession number:* P02460 (CO2A1\_CHICK)

*Species Accession:* Chicken