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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Collagen Type VI, human

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

Catalogue number: **CO20611**

Product Type	Primary Antibodies
Units	0.5 ml
Host	Rabbit
Application	ELISA Immunofluorescence Immunohistochemistry (paraffin) Radioimmunoassay Western Blotting

Background

Collagen type VI is found as 5-10 nm diameter microfibrils (periodicity 100 nm) e.g. in placenta, skin, cartilage and cornea. 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 type VI 100%, human collagen type I, II, III, IV and V <0.1%; human elastin and human laminin <0.1%; human fibronectin < 1% (RIA at 1:10.000 dilution).

Source

Immunogen: Purified collagen type VI from human placenta

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: Human (cross-reactive with bovine, porcine, chicken, murine and rat tissue)

Applications

IHC(P), IFA, ELISA, RIA, IB/WB

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

Working Concentration: (purified, lyophilized) IFA ? 1:80, IHC(P) ? 1:1000, ELISA ? 1:200 (OD ? 500)

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 placenta

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. Ronzière M.C., Ricard-Blum S., Tiollier J., Hartmann D.J., Garrone R., Herbage D. (1990) Comparative analysis of collagens solubilized from human foetal, and normal and osteoarthritic adult articular cartilage, with emphasis on type VI collagen. *Biochim Biophys Acta*. Apr 19;1038(2):222-30.
2. Silvester LM, Luck MR (1999) Distribution of extracellular matrix components in the developing ruminant corpus luteum: a wound repair hypothesis for luteinization. *J Reprod Fertil*. May;116(1):187-98.

Protein Reference(s)

Database Name: UniProt

Accession number: P12109 (CO6A1_HUMAN)

Species Accession: Human