



# 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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## Datasheet

### COMP (Human) ELISA Kit

**Catalog Number:** KA0021

**Regulatory Status:** For research use only (RUO)

**Product Description:** COMP (Human) ELISA Kit is a double monoclonal sandwich enzyme immunoassay for the quantitative measurement of human COMP in serum or plasma.

**Calibration Range:** 4 to 128 ng/mL

**Limit of Detection:** 0.4 ng/mL

**Suitable Sample:** Plasma (Citrate, EDTA, Heparin), Serum

**Sample Volume:** 100  $\mu$ L

**Label:** HRP-conjugated

**Detection Method:** Colorimetric

**Regulation Status:** For research use only (RUO)

**Reactivity:** Human

**Applications:** Quant

(See our web site product page for detailed applications information)

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Storage Instruction:** Store the kit at 4°C.

**Entrez GeneID:** 1311

**Gene Symbol:** COMP

**Gene Alias:** EDM1, EPD1, MED, MGC131819, MGC149768, PSACH, THBS5

**Gene Summary:** The protein encoded by this gene is a noncollagenous extracellular matrix (ECM) protein. It consists of five identical glycoprotein subunits, each with EGF-like and calcium-binding (thrombospondin-like) domains. Oligomerization results from formation of a five-

stranded coiled coil and disulfides. Binding to other ECM proteins such as collagen appears to depend on divalent cations. Mutations can cause the osteochondrodysplasias pseudocondroplasia (PSACH) and multiple epiphyseal dysplasia (MED). [provided by RefSeq]

#### References:

1. An exploratory study to investigate the association between age, physical activity, femoral trochlear cartilage thickness and biomarkers of tissue metabolism in adult males. Harry M Roberts, Claire L Griffith-McGeever, Julian A Owen, Lewis Angell, Jonathan P Moore, Jeanette M Thom. *Eur J Appl Physiol.* 2021 Jul;121(7):1871-1880. doi: 10.1007/s00421-021-04655-y. Epub 2021 Mar 13.
2. The effect of aerobic walking and lower body resistance exercise on serum COMP and hyaluronan, in both males and females. Roberts HM, Moore JP, Thom JM. *Eur J Appl Physiol.* 2018 Mar 13. [Epub ahead of print]
3. Cartilage turnover and intra-articular corticosteroid injections in knee osteoarthritis. Klocke R, Levasseur K, Kitas GD, Smith JP, Hirsch G. *Rheumatol Int.* 2018 Mar;38(3):455-459. doi: 10.1007/s00296-018-3988-2. Epub 2018 Feb 2.