

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



COL11A1 (G610) Peptide

Cat No.: BS2182P

Background

Collagen Type XI is an 1806 amino acid protein belonging to the fibrillar collagen family. Collagen Type XI is thought to play an important role in fibrillogenesis by controlling lateral growth of collagen II fibrils. This protein forms trimers composed of three different chains: a 1(XI), a 2(XI), and a 3(XI). a 3(XI) is a post-translational modification of a 1(II). a 1(V) can also be found instead of a 3(XI). Collagen Type XI has three named isoforms (A,B,C) and additional isoforms seem to exist, stemming from alternative usage of exon IIA or exon IIB. Transcripts containing exon IIA or IIB are present in cartilage, but exon IIB is preferentially utilized in transcripts from tendon. Collagen Type XI contains a single collagen binding TSP N-terminal (TSPN) domain. Collagen Type XI is expressed in cartilage, placenta and some tumor or virally transformed cell lines. Isoform expression can be tissue specific. Defects in the COL11A gene are the cause of Stickler syndrome type 2 (STL2), or beaded vitreous type, due to the presence of irregularly thickened fiber bundles throughout vitreous cavity.

Swiss-Prot

P12107

Applications

Blocking

Specificity

This peptide can be used with studies using BS2182 COL11A1 (G610) pAb.

Purification & Purity

Synthetic peptide COL11A1 (G610). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.