bsm-33409M

[Primary Antibody]

Bioss ANTIBODIES

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IHC-F (1:100-500)

IF (1:100-500)

142 kDa

Subcellular Secreted, Extracellular

Applications: IHC-P (1:100-500)

Reactivity: Human

Predicted

MW.:

Location: matrix

Collagen II Mouse mAb

- DATASHEET -

Host: Mouse Isotype: IgG
Clonality: Monoclonal CloneNo.: 9H12
GeneID: 1280 SWISS: P02458

Target: Collagen II

Immunogen: KLH conjugated synthetic peptide derived from human Collagen II:

1301-1400/1487.

Purification: affinity purified by Protein G

Concentration: 1mg/ml

Storage: Size: 50ul/100ul/200ul

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Size: 200ug (PBS only)

0.01M PBS

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

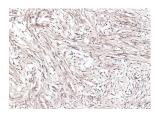
freeze/thaw cycles.

Background: This gene encodes the alpha-1 chain of type II collagen, a fibrillar collagen found in cartilage and the vitreous humor of the eye.

Mutations in this gene are associated with achondrogenesis, chondrodysplasia, early onset familial osteoarthritis, SED congenita, Langer-Saldino achondrogenesis, Kniest dysplasia, Stickler syndrome type I, and spondyloepimetaphyseal dysplasia Strudwick type. In addition, defects in processing chondrocalcin, a calcium binding protein that is the C-propeptide of this collagen molecule, are also associated with chondrodysplasia. There are two transcripts identified for this gene. [provided by RefSeq, Jul

2008]

– VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (human breast carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Collagen II) Monoclonal Antibody, Unconjugated (bsm-33409M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructionsand DAB staining.

- SELECTED CITATIONS -

• [IF=18.9] Jintao Li. et al. Controlled-release hydrogel loaded with magnesium-based nanoflowers synergize immunomodulation and cartilage regeneration in tendon-bone healing. BIOACT MATER. 2024 Jun;36:62 IF;Rat. 38440323

- [IF=15.304] Yiyun Zhang. et al. Locally delivered modified citrus pectin a galectin-3 inhibitor shows expected anti-inflammatory and unexpected regeneration-promoting effects on repair of articular cartilage defect. BIOMATERIALS. 2022 Dec;291:121870 IHC;Rabbit. 36343609
- [IF=10.2] Zihan Wang. et al. Crosslinking Stabilization Strategy: A Novel Approach to Cartilage-like Repair of Annulus Fibrosus (AF) Defects. MATER TODAY BIO. 2025 Mar;:101625 IHC; Rabbit. 40124345
- [IF=5.8] Ze-Nan Huang. et al. SR9009 attenuates inflammation-related NPMSC pyroptosis and IVDD through NR1D1/NLRP3/IL-1β pathway. ISCIENCE. 2024 May;27: IF;Rat. 38689641
- [IF=5.7] Shanchao Luo. et al. A novel cartilage-targeting MOF-HMME-RGD sonosensitizer combined with sonodynamic therapy to enhance chondrogenesis and cartilage regeneration. FRONT BIOENG BIOTECH. 2024; 12: 1339530 IHC; Rat. 38361795