bsm-33401M

[Primary Antibody]

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– DATASHEET –

Host: Mouse Isotype: IgG
Clonality: Monoclonal CloneNo.: 3C2
GeneID: 1277 SWISS: P02452

Target: Collagen I

Purification: affinity purified by Protein G

Collagen I Mouse mAb

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: Collagens are highly conserved throughout evolution and are

characterised by an uninterrupted "Glycine X Y" triplet repeat that is a necessary part of the triple helical structure. Type I collagen (95 kDa) is found in bone, cornea, skin and tendon. Mutations in the encoding gene are associated with osteogenesis imperfecta, Ehlers Danlos syndrome, and idiopathic osteoporosis. Reciprocal translocations between chromosomes 17 and 22, where this gene and the gene for Platelet-derived growth factor beta are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans, resulting from unregulated

expression of the growth factor.

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

IHC-F (1:100-500) IF (1:100-500)

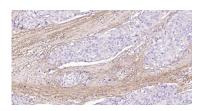
Reactivity: Human

Predicted MW.: 139 kDa

Subcellular Secreted ,Extracellular

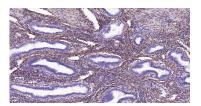
Location: matrix

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded Human Esophageal Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Collagen I Monoclonal Antibody,

Unconjugated(bsm-33401M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Uterus; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Collagen I Monoclonal Antibody, Unconjugated(bsm-33401M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024)and DAB (C-0010) staining.

- SELECTED CITATIONS -

- [IF=14.3] Chengzhong Xu. et al.Biomimetic Microstructured Scaffold with Release of Re-Modified Teriparatide for Osteoporotic Tendon-to-Bone Regeneration via Balancing Bone Homeostasis..Advanced Science.2025 Mar 17:e2500144. IF ;Rat. 40091692
- [IF=5.2] Jong-Uk Lee. et al. EPDR1 Links Fibroblast Dysfunction to Disease Severity in Idiopathic Pulmonary Fibrosis. CELLS-BASEL. 2025 Jan;14(19):1515 IF; Human. 41090747