

**bsm-33401M****[ Primary Antibody ]****BioSS**  
ANTIBODIES

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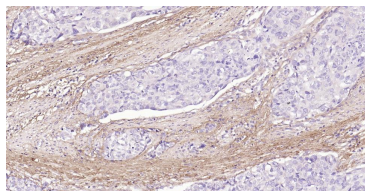
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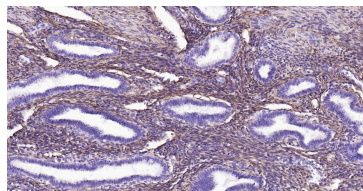
400-901-9800

**Collagen I Mouse mAb****— DATASHEET —**

<b>Host:</b> Mouse <b>Clonality:</b> Monoclonal <b>GeneID:</b> 1277 <b>Target:</b> Collagen I <b>Purification:</b> affinity purified by Protein G <b>Concentration:</b> 1mg/ml <b>Storage:</b> 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. <b>Background:</b> Collagens are highly conserved throughout evolution and are characterised by an uninterrupted "Glycine XY" 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.	<b>Isotype:</b> IgG <b>CloneNo.:</b> 3C2 <b>SWISS:</b> P02452	<b>Applications:</b> IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)  <b>Reactivity:</b> Human   <b>Predicted MW.:</b> 139 kDa  <b>Subcellular Location:</b> Secreted ,Extracellular matrix
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**— 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