

bsm-51028M**[Primary Antibody]****MMP14 Mouse mAb**

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— DATASHEET —**Host:** Mouse**Isotype:** IgG**Clonality:** Monoclonal**CloneNo.:** 3A6**GeneID:** 4323**SWISS:** P50281**Target:** MMP14**Purification:** affinity purified by Protein AGL**Concentration:** 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: MMP14 may be an activator of pro gelatinase A and is expressed in fibroblast cells during both wound healing and human cancer progression. MMP14 is expressed in very low levels and may require stimulation with concanavalin A or the phorbol ester TPA to stimulate production of MMP14. Matrix metalloproteinase-14 precursor is endopeptidase that degrades various components of the extracellular matrix, such as collagen. Activates progelatinase A. Essential for pericellular collagenolysis and modeling of skeletal and extracellular connective tissues during development. [Catalytic activity] Endopeptidase activity. Activates progelatinase A by cleavage of the propeptide at 37-Asn-|-Leu-38. Other bonds hydrolyzed include 35-Gly-|-Ile-36 in the propeptide of collagenase 3, and 341-Asn-|-Phe-342, 441-Asp-|-Leu-442 and 354-Gln-|-Thr-355 in the aggrecan interglobular domain. Highly expressed in placenta, kidney, heart, lung, embryonic skeletal and periskeletal tissues. Belongs to the peptidase M10A family.

Applications: **WB** (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:20-200)**IF** (1:20-200)

Reactivity: Mouse, Rat
(predicted: Human, Rabbit, Pig, Cow)

Predicted MW.: 65 kDa

Subcellular Location: Cell membrane