



BMA BIOMEDICALS

Monoclonal Antibody Stromelysin-3

To Human/Porcine SL-3, Matrix Metalloproteinase-11, MMP-11

Monoclonal antibody 5ST-4A9 recognizes human/porcine Stromelysin-3. SL-3 (MMP-11) was originally isolated as a breast cancer associated gene. The MMP stromelysin-3 shares many similarities with other MMPs but also has several unique properties. It has little expression in adult organs under normal physiological conditions but is upregulated in a number of pathological processes such as tumor invasion and may also be involved in tumor initiation. During mammalian development, ST3 is expressed in many processes involving cell migration and tissue morphogenesis, especially where cell death takes place.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product Number:	T-1445 (Lot 01PO1217)
Clone:	5ST-4A9
Host species, isotype:	Mouse IgG1 kappa
Quantity:	250µg
Format:	Affinity purified, lyophilized Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.2mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer, and 0.01% (v/v) Kathon™ CG as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution or aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Applications:	Tested for immunohistochemistry (IHC). Approximate working dilution for IHC: Frozen sections: 5µg/ml (1:100) Paraffin sections: 50g/ml (1:10); pretreatment in microwave with citrate buffer for antigen retrieval is recommended Optimal dilutions should be determined by the end user Suggested positive control: human placenta Please see www.bma.ch for protocols and general information
Immunogen:	Full length recombinant human Stromelysin-3

Protein database: human-P24347

Antigen, epitope: The epitope has not been further characterized.

Antigen distribution: Specifically expressed in stromal cells of breast carcinomas.

Specificity: **Human:** Stromelysin-3.
Other: pig.

Selected references

Luo D, Guérin E, Ludwig MG, Stoll I, Basset P, Anglard P.: Transcriptional induction of stromelysin-3 in mesodermal cells is mediated by an upstream CCAAT/enhancer-binding protein element associated with a DNase I-hypersensitive site. J. Biol Chem. 1999 Dec 24; 274(52): 37177-85.

Schönbeck U, Mach F, Sukhova GK, Atkinson E, Levesque E, Herman M, Graber P, Basset P, Libby P.: Expression of stromelysin-3 in atherosclerotic lesions: regulation via CD40-CD40 ligand signaling in vitro and in vivo. J Exp Med. 1999 Mar 1; 189(5): 843-53.

For in vitro research only. This product contains Kathon™ CG as a preservative.