Monoclonal Antibody To Human Stromelysin-3  
SL-3, Matrix Metalloproteinase-11, MMP-11

Monoclonal antibody 5ST-4A9 recognizes human 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.

**Product Number:**  T-1445 (Lot 01PO1105)
**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 0.5mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.01% Kathon as a preservative.

**Stability:**
- Original vial: 1 year at 4° - 8°C
- Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.

**Applications:**
- Tested for immunohistochemistry (IHC).

**Approximate working dilution for IHC:**
- Frozen sections: 5μg/ml (1:100)
- Paraffin sections: not tested.

Optimal dilutions should be determined by the end user.

Suggested positive control: tonsil.

Please see [www.bma.ch](http://www.bma.ch) for protocols and general information.

**Immunogen:**
Full length recombinant human Stromelysin-3.

**Antigen, epitope:**
The epitope has not been further characterized.
Antigen distribution: Specifically expressed in stromal cells of breast carcinomas.

Specificity:

- **Human**: Stromelysin-3.
- **Other**: Other species not tested.

Selected references:


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