

## Monoclonal Antibody to MMP-11 (active form) - Purified

<b>Alternate names:</b>	MMP11, Matrix metalloproteinase-11, SL-3, ST3, STMY3, Stromelysin-3
<b>Catalog No.:</b>	DM393
<b>Quantity:</b>	1 ml
<b>Background:</b>	Matrix metalloproteinase (MMPs) are a family of closely related zinc-containing proteolytic enzymes, capable of degrading connective tissue components. MMP-11 is localized on the long arm of chromosome 22. MMP-11 gene was originally identified on the basis that it is expressed specifically in stromal cells surrounding invasive breast carcinomas. MMP-11 is expression is found more specifically in malignant tumors than in benign ones.
<b>Uniprot ID:</b>	<a href="#">P24347</a>
<b>NCBI:</b>	<a href="#">NP_005931.2</a>
<b>GeneID:</b>	<a href="#">4320</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	SM10P (for use in human samples), AM03095PU-N
<b>Clone:</b>	SL3.05
<b>Immunogen:</b>	BALB/C mice were immunized with a recombinant protein corresponding to active form of human MMP-11.
<b>Format:</b>	<b>State:</b> Purified Ascites containing Sodium Azide as preservative.
<b>Applications:</b>	Immunoprecipitation. Western Blot. Immunohistochemistry on Paraffin Embedded Sections: Use a dilution of 1/50-1/100 in an ABC method (incubation time: 30 minutes at room temperature). No special pretreatment is required. Recommended Positive Control: Placenta. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody Reacts with a protein of 60 kD (latent), 47 kD (active) and 35 kD (degradation product). Cellular Localization: Cytoplasmic. <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

- General Readings:**
1. Basset et al. Crit Rev Oncol Hematol 26: 43, 1997.
  2. Hahnel et al. Intl J Cancer 55: 771, 1993.
  3. Muller et al. Virchows Arch 430: 213, 1997.
  4. Thewes et al. Clin Exp Dermatol 24: 122, 1999.

**Pictures:** Formalin fixed paraffin embedded human placenta stained with MMP-11 antibody. DM393

