

## DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse MMP-7 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human MMP-7, recombinant mouse (rm) MMP-3, or rmMMP-8 is observed.
<b>Source</b>	Monoclonal Rat IgG <sub>2B</sub> Clone # 704202
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse MMP-7 Met1-Leu264 Accession # Q10738
<b>Conjugate</b>	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
<b>Intracellular Staining by Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	bEnd.3 mouse endothelioma cell line treated with Recombinant Mouse FGF basic (Catalog # 3139-FB), fixed with paraformaldehyde and permeabilized with saponin

## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## BACKGROUND

MMP-7 (Matrilysin, 28 kDa) is the smallest member of the matrix metalloproteinases (MMP) family. It is expressed by normal and abnormal epithelial cells and is capable of digesting many proteins of the extracellular matrix. MMP-7 is implicated in the activation of Plasminogen, FasL, intestinal alpha-Defensin (important in innate host defense), and MMPs-1, -2, and -9, and in the release of TNF-alpha. Mouse MMP-7 is synthesized with a signal peptide and a propeptide; the preproMMP-7 shows 87% and 70% aa identity with rat and human preproMMP-7, respectively.

## PRODUCT SPECIFIC NOTICES

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