

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human MMP-9 in Western blots. Does not react with the C-terminal truncated form (65 kDa) of recombinant human (rh) MMP-9. In Western blots, approximately 5% cross-reactivity with rhMMP-2 and no cross-reactivity with rhMMP-1 or rhMMP-3 is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 36020
<b>Purification</b>	Protein A or G purified from ascites
<b>Immunogen</b>	Chinese hamster ovary cell line CHO-derived recombinant human MMP-9
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

## 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	1 µg/mL	Recombinant Human MMP-9 Western Blot Standard (Catalog # <a href="#">WBC018</a> )
<b>Immunoprecipitation</b>	25 µg/mL	Conditioned cell culture medium spiked with Recombinant Human MMP-9 (Catalog # <a href="#">911-MP</a> ), see our available <a href="#">Western blot detection antibodies</a>
<b>Human MMP-9 Sandwich Immunoassay</b>		<b>Reagent</b>
<b>ELISA Capture</b>	2-8 µg/mL	Human MMP-9 Antibody (Catalog # <a href="#">MAB936</a> )
<b>ELISA Detection</b>	0.1-0.4 µg/mL	Human MMP-9 Biotinylated Antibody (Catalog # <a href="#">BAF911</a> )
<b>Standard</b>		Recombinant Human MMP-9 (Catalog # <a href="#">911-MP</a> )

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

Pro Matrix Metalloproteinase 9 (Pro-MMP-9) is an inactive proenzyme secreted by multiple cell types. The N-terminal pro region is proteolytically removed, resulting in active MMP-9, which can degrade collagens and elastin as well as several non-ECM molecules.