



## Rabbit polyclonal antibody to human Matrix metalloproteinase-8 (103-115): Affinity purified

<b>Catalogue No.:</b>	R-1125-100
<b>Description:</b>	The matrix metalloproteinases (MMPs) are a large family of zinc endopeptidases. All MMPs are synthesized as inactive proenzymes. The activation of these proenzymes is a critical step that leads to degradation of extracellular matrix components such as fibronectin and collagen type III. MMP8 is known to degrade fibrillar type I, II, and III collagens.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	A synthetic peptide (PGNPKWERTNLTY) corresponding to a region (103-115) from human Matrix metalloproteinase-8. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
<b>Other Names:</b>	Neutrophil collagenase; EC 3.4.24.34; Matrix metalloproteinase-8; MMP-8; PMNL collagenase; PMNL-CL; MMP8; CLG1;
<b>Accession:</b>	P22894 MMP8_HUMAN;
<b>Produced in:</b>	Rabbit
<b>Purity:</b>	Affinity purified on antigen column
<b>Applications:</b>	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.75 ug/mL is recommended for WB. Human MMP8 (precursor) has a predicted length of 467 residues and MW of 53 kDa. A concentration of 1.0-2.0 ug/mL is recommended to detect the protein in formalin fixed and paraffin embedded tissues. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
<b>Cross-reactivity:</b>	Human; rat; predicted to react with mouse due to sequence homology;
<b>Form:</b>	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub>
<b>Reconstitution:</b>	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles
<b>Expiry Date:</b>	12 months after purchase

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