

## MMP-9 Antibody

<b>CATALOG #:</b>	3969-200
<b>AMOUNT:</b>	200 µg
<b>LOT #:</b>	_____
<b>IMMUNOGEN:</b>	<i>E. coli</i> -expressed recombinant human MMP-9
<b>INTERNAL ID#:</b>	BV-H86
<b>HOST:</b>	Rabbit

### FORMULATION:

200 µg (0.5 mg/ml) affinity purified rabbit anti-human MMP-9 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5mM EDTA and 0.01% thimerosal.

### STORAGE CONDITIONS:

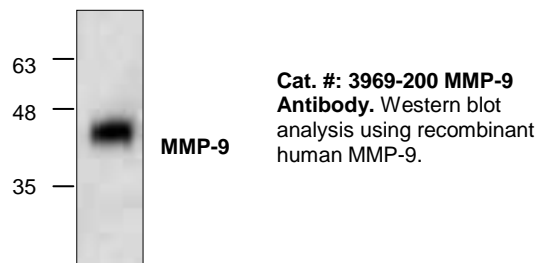
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

### DESCRIPTION:

The matrix metalloproteinases (MMP) are a family of peptidase enzymes responsible for the degradation of extracellular matrix components, including collagen, gelatin, fibronectin, laminin and proteoglycan. Transcription of MMP genes is differentially activated by phorbol ester, lipopolysaccharide (LPS) or staphylococcal enterotoxin B (SEB). MMP catalysis requires both calcium and zinc. MMP-9 has been shown to degrade bone collagens in concert with MMP-1 (also designated interstitial collagenase, fibroblast collagenase or collagenase-1), and cysteine proteases and may play a role in bone osteoclastic resorption.

### APPLICATION AND USAGE:

The antibody can be used in Western Blot analysis (1-4 µg/ml). However, the optimal conditions should be determined individually. Recombinant human MMP-9 (Cat.# 7789-10) can be used as a positive control.



**FOR RESEARCH USE ONLY! Not to be used on humans.**

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