

## MMP-1 Polyclonal Antibody

<b>CATALOG #:</b>	5781-100
<b>AMOUNT:</b>	100 µg
<b>LOT #:</b>	_____
<b>IMMUNOGEN:</b>	<i>E. coli</i> -expressed recombinant human MMP-1
<b>INTERNAL ID#:</b>	BV-G53
<b>HOST:</b>	Rabbit

### FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-human MMP-1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.

### STORAGE CONDITIONS:

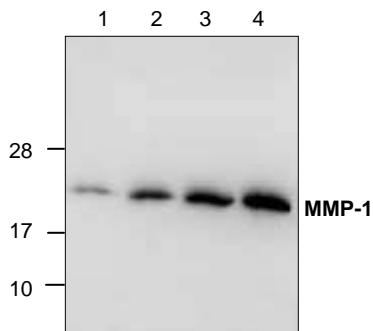
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

### DESCRIPTION:

Matrix metalloproteinases (MMPs) are zinc-dependent endopeptidases that degrade substances within the extracellular matrix. The MMP family includes six different groups of enzymes: collagenases, gelatinases, stromelysins, transmembrane MMPs, matrilysins and others. MMPs are secreted as proenzymes that have to be cleaved in order to be activated. Other MMPs, plasmins as well as other factors activate MMPs. MMPs are thought to play an important role in tissue remodeling associated with various physiological and pathological processes. MMP1 cleaves collagens of types I, II, III, VII and X. MMP1 is thought to play an important role in rheumatoid and osteo-arthritis pathogenesis as mediators of cartilage and bone destruction.

### APPLICATION AND USAGE:

The antibody can be used in Western Blot analysis (0.5-4 µg/ml). Recombinant human MMP-1 (Cat.# 7781-10) can be used as a positive control. However, the optimal conditions should be determined individually.



**Cat. #: 5781-100**  
 Western blot analysis of  
 MMP-1 using recombinant  
 human MMP-1  
 Lane 1: 20 ng  
 Lane 2: 50 ng  
 Lane 3: 100 ng  
 Lane 4: 200 ng

### RELATED PRODUCTS:

#### Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

#### Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

#### Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

#### Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

#### Signal Transduction

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- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

#### Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

#### Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

#### Growth Factors and Cytokines

#### Monoclonal and Polyclonal Antibodies

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