

## Anti-MMP1 Antibody Picoband® APC Conjugated

Catalog Number: PB9725-APC

### About MMP1

Matrix metalloproteinase-1 (MMP-1), also known as interstitial collagenase and fibroblast collagenase, is an enzyme that in humans is encoded by the MMP1 gene. MMP-1 was the first vertebrate collagenase both purified to homogeneity as a protein, and cloned as a cDNA. Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes a secreted enzyme which breaks down the interstitial collagens, types I, II, and III. It is part of a cluster of MMP genes which localize to chromosome 11q22.3. Alternative splicing results in multiple transcript variants.

### Overview

Product Name	Anti-MMP1 Antibody Picoband® APC Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P03956

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human MMP1.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	APC Excitation Wavelength: 633-647 nm Emission Wavelength: 660 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

## 16 Publications Citing This Product

1. PubMed ID: 10.1016/j.pep.2018.04.001, Efficient protease based purification of recombinant matrix metalloprotease-1 in E. coli
2. PubMed ID: 26550147, Andrographolide plays an important role in bleomycin-induced pulmonary fibrosis treatment
3. PubMed ID: 19930425, Zhang Lf, Ding Wh, Shi Lb, Li K, Haom Yj, Ke Yn, Tang Zs. Clin Exp Pharmacol Physiol. 2010 Apr;37(4):477-81. Doi: 10.1111/J.1440-1681.2009.05336.X. Epub 2009 Nov 23. Effects Of Exogenous Urotensin Ii On Vascular Remodelling After Balloon Injury.

Visit [bosterbio.com/anti-mmp1-picoband-trade-antibody-pb9725-boster.html](http://bosterbio.com/anti-mmp1-picoband-trade-antibody-pb9725-boster.html) to see all 16 publications.

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