

## Anti-MMP14 Antibody Picoband® FITC Conjugated

Catalog Number: PB9283-FITC

### About MMP14

Matrix metalloproteinase-14, also called MT-MMP 1, is an enzyme that in humans is encoded by the MMP14 gene. The protein encoded by this gene is a member of the membrane-type MMP subfamily. This gene is mapped to 14q11.2. 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. This gene may be involved in actin cytoskeleton reorganization by cleaving PTK7. It acts as a positive regulator of cell growth and migration via activation of MMP15.

### Overview

Product Name	Anti-MMP14 Antibody Picoband® FITC 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	P50281

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human MMP14, different from the related mouse and rat sequences by one amino acid.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	FITC Excitation Wavelength: 495 nm Emission Wavelength: 525 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

## 9 Publications Citing This Product

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1. PubMed ID: 27453531, The inhibition of calpains ameliorates vascular restenosis through MMP2/TGF- $\beta$ 1 pathway
2. PubMed ID: 24573354, Xiao H, Li H, Yu G, Xiao W, Hu J, Tang K, Zeng J, He W, Zeng G, Ye Z, Xu H. *Oncol Rep.* 2014 Apr;31(4):1832-8. Doi: 10.3892/Or.2014.3048. Epub 2014 Feb 24. *Microrna-10B Promotes Migration And Invasion Through Klf4 And Hoxd10 In Human Bladder Cancer.*
3. PubMed ID: 25673203, Shi Ch, Wang Ws, Zhang Zd, Li Cj, Guo Fj, Li F, Chen Am. *J Huazhong Univ Sci Technolog Med Sci.* 2015 Feb;35(1):111-6. Doi: 10.1007/S11596-015-1398-1. Epub 2015 Feb 12. *Effect Of Lentivirus-Mediated Upa Silencing On The Proliferation And Apoptosis ...*

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