

Anti-MMP3 Antibody Picoband® Cy3 Conjugated

Catalog Number: PB9267-Cy3

About MMP3

Stromelysin-1, also known as matrix metalloproteinase-3 (MMP-3), is an enzyme that in humans is encoded by the MMP3 gene. It is mapped to 11q22.2. Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix and during tissue remodeling in normal physiological processes, such as embryonic development and reproduction, as well as in disease processes, such as arthritis, and tumour metastasis. The MMP-3 enzyme degrades collagen types II, III, IV, IX, and X, proteoglycans, fibronectin, laminin, and elastin. In addition, MMP-3 can also activate other MMPs such as MMP-1, MMP-7, and MMP-9, rendering MMP-3 crucial in connective tissue remodeling. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation.

Overview

Product Name	Anti-MMP3 Antibody Picoband® Cy3 Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P08254

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminal of human MMP3, different from the related mouse sequence by seven amino acids, and from the related rat sequence by ten amino acids.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm

Suggested Dilutions

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

11 Publications Citing This Product

1. PubMed ID: 23555779, Vitiligo: A Possible Model of Degenerative Diseases
2. PubMed ID: 15953993, Zhu L, Wei W, Zheng Yq, Jia Xy. Inflamm Res. 2005 May;54(5):211-20. Effects And Mechanisms Of Total Glucosides Of Paeony On Joint Damage In Rat Collagen-Induced Arthritis.
3. PubMed ID: 25517994, Xu Y, Zhang Ja, Xu Y, Guo Si, Wang S, Wu D, Wang Y, Luo D, Zhou Br. Stem Cells Dev. 2015 May 1;24(9):1096-111. Doi: 10.1089/Scd.2014.0321. Epub 2015 Jan 21. Antiphotaging Effect Of Conditioned Medium Of Dedifferentiated Adipocytes On Skin In Vivo...

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