

Anti-Macrophage metalloelastase MMP12 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: RP1089-Fluoro488

About Mmp12

Matrix metalloproteinase-12 (MMP12), also known as MME or ME, is an enzyme that in humans is encoded by the MMP12 gene. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.2. It is thought that the protein encoded by this gene is cleaved at both ends to yield the active enzyme, but this processing has not been fully described. The enzyme degrades soluble and insoluble elastin. It may play a role in aneurysm formation and studies in mice suggest a role in the development of emphysema. This gene may be involved in tissue injury and remodeling.

Overview

Product Name	Anti-Macrophage metalloelastase MMP12 Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Mouse
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, WB). Customers may select suitable applications according to their experimental needs.
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	P34960

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse MMP12, different from the related human sequence by thirteen amino acids, and from the related rat sequence by three 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	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm

Suggested Dilutions

Optimal dilutions should be determined by end users.

1 Publications Citing This Product

1. PubMed ID: 25489966, Vaz M, Rajasekaran S, Potteti Hr, Reddy Sp. Am J Respir Cell Mol Biol. 2015 Jul;53(1):125-34. Doi: 10.1165/Rcmb.2014-0118Oc. Myeloid-Specific Fos-Related Antigen-1 Regulates Cigarette Smoke-Induced Lung Inflammation, Not Emphysema, In Mice.

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