

Anti-Macrophage metalloelastase MMP12 Antibody Picoband® Cy3 Conjugated

Catalog Number: RP1089-Cy3

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

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| Product Name | Anti-Macrophage metalloelastase MMP12 Antibody Picoband® Cy3 Conjugated |
| Reactive Species | Mouse |
| 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 | P34960 |

Technical Details

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| 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 | Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm |

Suggested Dilutions

Flow Cytometry, 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.

Visit bosterbio.com/anti-mmp12-antibody-rp1089-boster.html to see all 1 publications.

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