BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Macrophage metalloelastase MMP12 Antibody Picoband®

Catalog Number: RP1089

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 involved in tissue injury and remodeling.

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Overview

Product Name	Anti-Macrophage metalloelastase MMP12 Antibody Picoband®
Reactive Species	Mouse
Description	Boster Bio Anti-Macrophage metalloelastase MMP12 Antibody catalog # RP1089. Tested in ELISA, WB applications. This antibody reacts with Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na2HPO4, and 0.05 mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P34960

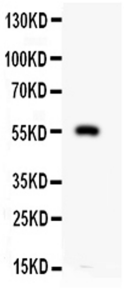
Technical Details

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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	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Mouse, - ELISA, 0.1-0.5ug/ml, -

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Anti-Macrophage metalloelastase MMP12 Antibody Picoband® (RP1089) Images



Anti-RP1089 antibody, PBMMP12, Western blottingAll lanes: Anti MMP12 (RP1089) at 0.5ug/mlWB: HEPA Whole Cell Lysate at 40ugPredicted bind size: 55KDObserved bind size: 55KD

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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