

Anti-Macrophage metalloelastase MMP12 Antibody

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.

Overview

Product Name	Anti-Macrophage metalloelastase MMP12 Antibody
Reactive Species	Mouse
Description	Boster Bio Anti-Macrophage metalloelastase MMP12 Antibody catalog # RP1089. Tested in ELISA, WB applications. This antibody reacts with Mouse.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
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

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.
Predicted Reactive Species	Bovine
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

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Western blot, 0.1-0.5ug/ml, Mouse, -

ELISA, 0.1-0.5ug/ml, Mouse

Anti-Macrophage metalloelastase MMP12 Antibody (RP1089) Images



Anti-RP1089 antibody, PBMMP12, Western blotting
All lanes: Anti MMP12 (RP1089) at 0.5ug/ml
WB: HEPA Whole Cell Lysate at 40ug
Predicted bind size: 55KD
Observed 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.

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