

Product Information

Recombinant Anti-Human mmp12 Antibody Fab Fragment

Cat. No.: **MOM-18437-F(P)**

This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody Fab Fragment binds selectively to Human MMP12, expressed in E. coli

Antigen Description

May be involved in tissue injury and remodeling. Has significant elastolytic activity. Can accept large and small amino acids at the P1" site, but has a preference for leucine. Aromatic or hydrophobic residues are preferred at the P1 site, with small hydrophobic residues (preferably alanine) occupying P3.

Specific Activity

Tested positive against native antigen.

Target

MMP12

Immunogen

Recombinant human MMP12

Source

Mouse

Species Reactivity

Human

Type

Fab

Expression Host

E. coli

Purity

>95%, by SDS-PAGE with silver staining, under reducing conditions.

Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

Storage

Store at -20°C for long-term storage. Store at 2-8°C for up to one month. Avoid freeze/thaw cycles.

ANTIGEN GENE INFORMATION

Gene Name

[MMP12 matrix metalloproteinase 12 \(macrophage elastase\) \[Homo sapiens \]](#)

Official Symbol

MMP12

Synonyms

MMP12; matrix metalloproteinase 12 (macrophage elastase); matrix metalloproteinase 12 (macrophage elastase); macrophage metalloelastase; HME; macrophage elastase; matrix metalloproteinase-12; ME; MME; MMP-12; MGC138506

Gene ID

[4321](#)

mRNA Refseq

[NM_002426](#)

Protein Refseq

[NP_002417](#)

MIM

[601046](#)

UniProt ID

P39900

Chromosome Location

11q22.3

Pathway

Matrix Metalloproteinases, organism-specific biosystem;

Function

calcium ion binding; endopeptidase activity; metalloendopeptidase activity; peptidase activity; zinc ion binding;