

# Product Information

## Recombinant Anti-Human mmp12 Antibody Fab Fragment

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

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

### Product Overview

Recombinant Mouse Antibody Fab Fragment is bind to Human MMP12, expressed in Chinese Hamster Ovary cells(CHO)

### 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

CHO

### Purity

>95.0%, determined by analysis by RP-HPLC & analysis by SDS-PAGE.

### 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;