Anti-MMP3 [1B4]

Catalogue number: 151620
Sub-type: Primary antibody
Images:

Contributor

Inventor: Ayham Alnabulsi
Institute: Vertebrate Antibodies Limited
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-MMP3 [1B4]

Alternate name:

Class: Monoclonal
Conjugate: Unconjugated
Description: Human matrix metalloproteinase 3 (MMP-3) is a member of the matrix metalloproteinases (MMP) family that are peptidases involved in the breakdown of extracellular matrix proteins. MMP-3 degrades fibronectin, laminin, gelatins of type I, III, IV, and V; collagen of type II, III, IV, X, and IX, and proteoglycans. In addition, MMP-3 can also activate other MMPs such as MMP-1, MMP-7, and MMP-9, rendering MMP-3 crucial in connective tissue remodeling. The enzyme is also thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation.
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype: IgG1
Reactivity: Human
Selectivity:
Host: Mouse
Immunogen: Ovalbumin-conjugated synthetic peptide; CKSLRKLEPELH
Immunogen UNIPROT ID:
Sequence:
Growth properties:
Production details:
Formulation:

Recommended controls: IHC: formalin-fixed, paraffin-embedded lung containing intra-alveolar macrophageswestern blot: rhMMP-3, 400 ng per lane
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Human matrix metalloproteinase 3 (MMP-3)

Target alternate names:

Target background: Human matrix metalloproteinase 3 (MMP-3) is a member of the matrix metalloproteinases (MMP) family that are peptidases involved in the breakdown of extracellular matrix proteins. MMP-3 degrades fibronectin, laminin, gelatins of type I, III, IV, and V; collagen of type II, III, IV, X, and IX, and proteoglycans. In addition, MMP-3 can also activate other MMPs such as MMP-1, MMP-7, and MMP-9, rendering MMP-3 crucial in connective tissue remodeling. The enzyme is also thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation.

Molecular weight:

Ic50:

Applications

Application: ELISA ; IHC ; IF ; IP ; WB
Application notes:

Handling

Format: Liquid
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer: PBS with 0.02% azide
Storage conditions: -80° C
Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Jeffery et al. 2009. Histopathology. 54(7):820-8. PMID: 19635101. ; The matrix metalloproteinase/tissue inhibitor of matrix metalloproteinase profile in colorectal polyp cancers. ; Lyall et al. 2006. Clin Cancer Res. 12(4):1184-91. PMID: 16489072. ; Profiling markers of prognosis in colorectal cancer. ; Curran et al. 2004. Clin Cancer Res. 10(24):8229-34. PMID: 15623598. ; Matrix metalloproteinase/tissue inhibitors of matrix metalloproteinase phenotype identifies poor prognosis colorectal cancers. ; Murray et al. 1998. Gut. 43(6):791-7. PMID: 9824606. ; Matrix metalloproteinases and their inhibitors in gastric cancer. ; Murray et al. 1998. J Pathol. 185(3):256-61. PMID: 9771478. ; Matrix metalloproteinase-1 is associated with poor prognosis in oesophageal cancer.