

# Anti-MMP2 [4D3]

**Catalogue number:** 151619

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Ayham Alnabulsi

**Institute:** Vertebrate Antibodies Limited

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-MMP2 [4D3]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** MMP2 degrades type IV collagen and plays an important role in menstrual break down, regulation of vascularization, angiogenesis, and inflammatory response. Mutations of MMP2 are associated with Torg-Winchester syndrome.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** Ovalbumin-conjugated synthetic peptide; TSLGLPPDVQRVD

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:** IHC: formalin-fixed, paraffin-embedded lung containing intra-alveolar macrophages  
western blot: rhMMP-2, 400 ng per lane

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Human matrix metalloproteinase 2 (MMP-2)

**Target alternate names:**

**Target background:** MMP2 degrades type IV collagen and plays an important role in menstrual break down, regulation of vascularization, angiogenesis, and inflammatory response. Mutations of MMP2 are associated with Torg-Winchester syndrome.

**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. ; Murray et al. 1996. Nat Med. 2(4):461-2. PMID: 8597958. ; Matrix metalloproteinase-1 is associated with poor prognosis in colorectal cancer.

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