



Product Information Sheet

Polyclonal Anti-matrix metalloproteinase-10, **MMP-10**

Catalogue No. PA1380

Lot No. 0131112098027

Ig type rabbit IgG

Size 100µg/vial

Specificity

Human.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminal of human MMP-10 (410-422 aa), identical to the related mouse and rat sequence.

Purity

Immunogen affinity purified.

Application

| | Concentration | Tested Species | Concluded Species | Antigen Retrieval |
|-------|---------------|----------------|-------------------|-------------------|
| WB | 1µg/ml | Hu | - | - |
| IHC-P | - | - | - | - |
| IHC-F | - | - | - | - |
| ICC | - | - | - | - |

WB: The detection limit for MMP-10 is approximately 2.5ng/lane under non-reducing and reducing conditions.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Reconstitution

0.2ml of distilled water will yield a concentration of 500µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

To reorder contact us at:

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BACKGROUND

Stromelysin-2 also known as matrix metalloproteinase-10 (MMP-10) or transin-2 is an enzyme that in humans is encoded by the MMP10 gene. Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The enzyme encoded by this gene degrades proteoglycans and fibronectin. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3.

REFERENCE

1. Muller D, Quantin B, Gesnel MC, Millon-Collard R, Abecassis J, Breathnach R (July 1988). "The collagenase gene family in humans consists of at least four members". *Biochem. J.* 253 (1): 187–92.
2. Jung JY, Warter S, Rumpler Y (1990). "Localization of stromelysin 2 gene to the q22.3-23 region of chromosome 11 by in situ hybridization". *Ann. Genet.* 33 (1): 21–3.