



MMP-23 (Matrix Metalloproteinase-23, MMP 23, Femalysin, MIFR-1, Matrix Metalloproteinase-21, MMP-21, Matrix Metalloproteinase-22, MMP-22, Matrix Metalloproteinase-23, Soluble form, MMP23A, MMP21, MMP23B, MMP21, MMP22, MMP23)

Catalog number

224228

Supplier

United States Biological

Matrix metalloproteinases (MMPs) are highly homologous Zn²⁺ endopeptidases involved in extracellular matrix breakdown. MMP mediated extracellular remodeling occurs in normal physiological processes, such as embryonic development, reproduction and tissue remodeling, and disease processes, including arthritis and metastasis. MMP-23 exhibits sequence similarity with most MMPs, but displays a difference in domain structure. The MMP-23 protein contains prepro-, catalytic, cysteine-rich, Interleukin-1 receptor-related and proline-rich domains. Lacking a recognizable signal sequence, MMP-23 has a short prodomain. In addition, MMP-23 contains a single cysteine residue that can be part of the cysteine-switch mechanism operation for maintaining enzyme latency. MMP-23 is a membrane-anchored glycoprotein with type II topology. Subcellular localization is predominantly perinuclear.

Applications

Suitable for use in Western Blot. Other applications not tested.

Recommended Dilution

Western Blot: 1:500-1:1000

Optimal dilutions to be determined by the researcher.

Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Immunogen

Synthetic peptide corresponding to amino acids 341-390 of Human MMP-23.

Formulation

Supplied as a liquid PBS, 0.05% sodium azide, pH 7.2.

Purity

Purified by immunoaffinity chromatography.

Specificity

Recognizes endogenous levels of MMP-23. Species Crossreactivity: Human, mouse, rat



Product Type

Pab

Source

human

Isotype

IgG

Grade

Affinity Purified

Applications

WB

Crossreactivity

Hu Mo Rt

Storage

-20°C

MW

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