



20150116ML

Anti-Mouse MMP-24 (#7J71)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	103-M437
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat) immunized with mouse recombinant protein of MMP-24 Catalytic Domain.

Target Background

Synonyms (Target):	Mmp24; MT5MMP; MTMMP5; MT5-MMP; AU040325
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Matrix metalloproteinase-24 or MT5-MMP is an enzyme that in humans and mouse is encoded by the MMP24 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. However, the protein encoded by this gene is a member of the membrane-type MMP (MT-MMP) subfamily; each member of this subfamily contains a potential transmembrane domain suggesting that these proteins are expressed at the cell surface rather than secreted. This protein activates MMP-2 by cleavage. The gene has previously been referred to as MMP25 but has been renamed MMP24.

Database References Target

Protein RefSeq:	NP_034938.3
Uniprot ID:	Q9R0S2
mRNA RefSeq:	NM_010808.3

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#7J71)
Isotype	IgG2
Purification	Protein A/G chromatography
Antigen	Mouse recombinant protein of MMP-24 Catalytic Domain
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody detects specifically mouse MMP-24 Catalytic Domain with WB. This antibody weakly cross reacts with mouse MMP3 and MMP-9.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB

Recommended usage:

WB: 1:100-500

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!