Active Recombinant Mouse Mmp12

Cat. No. Mmp12-534M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mmp12 (Accession # EDL24933) Ala18-Cys462 was produced in Mouse myeloma cell line, NS0-derived.
Species	Mouse
Source	Mammalian Cells
ProteinLength	18-462 a.a.
Predicted N Terminal	Ala18
Form	Supplied as a 0.2 μm filtered solution in MES, NaCl and CaCl2.
Bio-activity	Measured by its ability to cleave a fluorogenic peptide substrate Mca-KPLGL-Dpa-AR-NH2 .The specific activity is >100 pmol/min/μg, as measured under the described conditions.
Molecular Mass	Recombinant Mouse Mmp12 has a calculated MW of 52 kDa. In SDS-PAGE migrates as 60 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

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GENE INFORMATION

Gene Name	Mmp12 matrix metallopeptidase 12 [Mus musculus]
Official Symbol	Mmp12
Synonyms	MMP12; matrix metallopeptidase 12; macrophage metalloelastase; MME; MMP-12; macrophage elastase; macrophage-metalloelastase; matrix metalloproteinase 12; matrix metalloproteinase-12; Mmel; AV378681;
Gene ID	17381
mRNA Refseq	NM_008605
Protein Refseq	NP_032631
MIM	

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