

Product Data Sheet

Recombinant Mouse MMP12 Protein

Catalog #	Source	Reactivity	Applications
CRP1967	Human cells	M	E, WB, SDS-PAGE, MS
Description	Recombinant Mouse MMP12 Protein is produced by Mammalian expression system and the target gene encoding Ala29-Cys473 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of PBS, pH7.4.		
Gene Symbol	MMP12		
Alternative Names	HME; Macrophage metalloelastase; MME; Macrophage elastase; ME; hME; Matrix metalloproteinase-12; MMP-12		
Entrez Gene	17381 (Mouse)		
SwissProt	P34960 (Mouse)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	APMNDSEFAE WYLSRFYDYG KDRIPMTKTK TNRNFLKEKL QEMQQFFGLE ATGQLDNSTL AIMHIPRCGV PDVQHLRAVP QRSRWMKRYL TYRIYNYTPD MKREDVDYIF QKAFQVWSDV TPLRFRKLHK DEADIMILFA FGAHGDFNYF DGKGGTLAHA FYPGPGIQGD AHFDEAETWT KSFQGTNLFL VAVHELGHSL GLQHSNNPKS IMYPTYRYLN PSTFRLSADD IRNIQSLYGA PVKPPSLTKP SSPPSTFCHQ SLSFDAVTTV GEKIFFFKDW FFWWKLPGSP ATNITSISSI WPSIPSGIQA AYEIESRNQL FLFKDEKYWL INNLVPEPHY PRSIYSLGFS ASVKKVDAAV FDPLRQKVYF FVDKHYWRYD VRQELMDPAY PKLISTHFG IKPKIDAVLY FKRHYIYFQG AYQLEYDPLF RRVTKTLKST SWFGCVDHHH HHH		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Please aliquot		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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