

Mouse MMP-8 ELISA Kit | Mmp8 elisa kit

Mouse MMP-8 PicoKine ELISA Kit

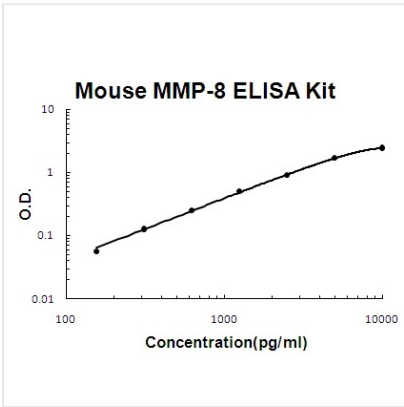
CATALOG # AAA46769	REACTIVITY Mouse
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PRODUCT SYNONYMS

MMP-8; Mouse MMP-8 PicoKine ELISA Kit; CLG1; Matrix metalloproteinase-8; MMP8; P22894; PMNL CL; PMNL collagenase; PMNLCL; PMNL-CLCL; Neutrophil collagenase; matrix metalloproteinase 8; Mmp8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse MMP-8
Sequence Length	465
Assay Range	156pg/ml-10000pg/ml
Sensitivity	<10pg/ml
Anticoagulant	heparin
TMB incubation time	15-20
Immunogen	NSO, F21-S465
Sample Data	Concentration(pg/ml): 0 156 312 625 1250 2500 5000 10000 O.D.: 0.009 0.055 0.126 0.246 0.499 0.907 1.680 2.425
Intra/Inter Assay Precision	Sample: 1 2 3 1 2 3 n: 16 16 16 24 24 24 Mean(pg/ml): 199 1050 4121 254 926 3669 Standard Deviation: 8.56 54.45 173.08 14.73 70.37 190.79 CV(%): 4.3 4.9 4.2 5.8 7.6 5.2
Assay Procedure Step 1	Aliquot 0.1ml per well of the 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml mouse MMP-8 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernatants, serum or plasma (heparin) to each empty well. It is recommended that each mouse MMP-8 standard solution and each sample be measured in duplicate.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Mouse MMP-8 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for Mmp8 elisa kit

For quantitative detection of mouse MMP-8 in cell culture supernates, serum and plasma (heparin).
Background: Matrix metalloproteinase 8 (MMP8) also called neutrophil collagenase. Neutrophil collagenase, a member of the family of matrix metalloproteinases, is distinct from the collagenase of skin fibroblasts and synovial cells in substrate specificity and immunologic crossreactivity. MMP8, an enzyme that degrades fibrillar collagens imparting strength to the fetal membranes, is expressed by leukocytes and chorionic cytotrophoblast cells. The human neutrophil collagenase (HNC) cDNA clone has been sequenced and shown to encode a 467-residue protein. Neutrophil collagenase has been found to possess 57% identity with the deduced protein sequence for fibroblast collagenase with 72% chemical similarity. Certain regions of the molecule, including the putative zinc-binding region, are highly conserved. When compared with the published sequence for fibroblast collagenase, neutrophil collagenase contains four additional sites for glycosylation.
Principle: Mouse MMP-8 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from Rat specific for MMP-8 has been precoated onto 96-well plates. Standards (Expression system for standard: NSO, Immunogen sequence: F21-S465) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for MMP-8 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Mouse MMP-8 amount of sample captured in plate.

NCBI AND UNIPROT INFORMATION

NCBI GI #	160333381
NCBI GeneID	17394
NCBI Accession #	NP_032637.3
NCBI GenBank Nucleotide #	NM_008611.4
UniProt Accession #	O70138; O88733; Q6GTR5
Molecular Weight	53,126 Da
NCBI Official Full Name	neutrophil collagenase preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 8
NCBI Official Symbol	Mmp8
NCBI Official Synonym Symbols	BB138268
NCBI Protein Information	neutrophil collagenase
UniProt Protein Name	Neutrophil collagenase

UniProt Gene Name	Mmp8
UniProt Synonym Gene Names	MMP-8

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mmp8-mouse-elisa-kits/mmp-8/46769>