

Datasheet for ABIN5510644

MMP 9 ELISA Kit



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1 Image

1 Publication

Overview

Quantity:	96 tests
Target:	MMP 9 (MMP9)
Binding Specificity:	AA 35-708
Reactivity:	Rat
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Rat MMP-9
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NSO Immunogen sequence: L35-P708
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.

Target Details

Target:	MMP 9 (MMP9)
Alternative Name:	Mmp9 (MMP9 Products)
Background:	Protein Function: Could play a role in bone osteoclastic resorption. Cleaves type IV and type V

Target Details

collagen into large C-terminal three quarter fragments and shorter N-terminal one quarter fragments (By similarity). .

Background: Matrix metalloproteinase 9 (MMP-9) is also known as 92 kDa type IV collagenase, 92 kDa gelatinase or gelatinase B (GELB). The 72- and 92- kDa type IV collagenases are members of a group of secreted zinc metalloproteases. The matrix metalloproteinases (MMPs) are able to degrade the extracellular matrix and allow angiogenesis and tumor invasion. MMP-9 is predominantly expressed in neutrophils, macrophages, and mast cells, rather than in oncogene-positive neoplastic cells. The polymorphism of MMP-9 acts as a genetic factor for the development of smoking-induced pulmonary emphysema.

Synonyms: Matrix metalloproteinase-9,MMP-9,3.4.24.35,92 kDa gelatinase,92 kDa type IV collagenase,Gelatinase B,GELB,Mmp9,

Full Gene Name: Matrix metalloproteinase-9

Cellular Localisation: Secreted, extracellular space, extracellular matrix.

UniProt: [P50282](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin, Positive Regulation of Immune Effector Process, CXCR4-mediated Signaling Events](#)

Application Details

Plate: Pre-coated

Restrictions: For Research Use only

Handling

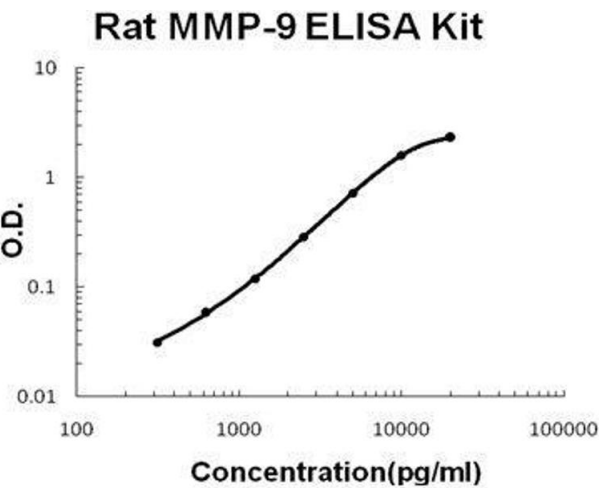
Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)

Expiry Date: 12 months

Publications

Product cited in: You, Zu, Liu, Kong, Song, Wei, Zhou, Wang, Yan: "Synovial fibroblast-targeting liposomes encapsulating an NF-κB-blocking peptide ameliorates zymosan-induced synovial inflammation. " in: **Journal of cellular and molecular medicine**, Vol. 22, Issue 4, pp. 2449-2457, (2018) ([PubMed](#)).



ELISA

Image 1. Rat MMP-9 PicoKine ELISA Kit standard curve