

Datasheet for KOA0274**Mouse MMP-9 ELISA Kit****Overview**

Description:	Mouse MMP-9 AccuSignal ELISA Kit - KOA0274
Item No.:	KOA0274
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	156 pg/ml - 10000 pg/ml

Product Details

Background:	The 92-kD type IV collagenase is also known as 92-kD gelatinase, type V collagenase, gelatinase B, or matrix metalloproteinase-9(MMP9). The 72- and 92-kDa type IV collagenases are members of a group of secreted zinc metalloproteases. ¹ The matrix metalloproteinases(MMPs) are able to degrade the extracellular matrix and allow angiogenesis and tumor invasion. Gelatinase B, a matrix metalloproteinase that has proteolytic activity against connective tissue proteins, has been suggested to be important in the connective tissue remodeling processes associated with atherogenesis and plaque rupture. 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:	83 kDa matrix metalloproteinase-9, 92 kDa gelatinase, 92 kDa type IV collagenase, CLG4B, Collagenase Type 4 beta, Collagenase type IV 92 KD, EC 3.4.24.35, Gelatinase 92 KD, Gelatinase B, Gelatinase beta, GelatinaseB, GELB, Macrophage gelatinase, MANDP2, M1, MCSF, MGC41930, op, OTTHUMP00000013364, OTTHUMP00000013365, OTTMUSP00000032803, OTTMUSP00000032804, Processed macrophage colony-stimulating factor 1, RP11-195M1
Detection Kit Type:	ELISA Kit
Detection Range:	156 pg/ml - 10000 pg/ml
Sensitivity:	<20 pg/ml

Target Details

Gene Name:	MMP9
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Reactivity:	Mouse
Immunogen:	Expression system for standard: CHO; Immunogen sequence: A20-P730
Purity/Specificity:	Natural and recombinant mouse total MMP-9. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P41245 • NCBI - NP_038627.1 • GenelD - 17395 • KOA0274 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml mouse MMP-9 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 supernates, serum or plasma(heparin) to each empty well. It is recommended that each mouse MMP-9 standard solution and each sample be measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	156pg/ml-10000pg/ml
Other:	DOE: 2-8° C - 2/22/18 -20° C - 8/23/18

Formulation

Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

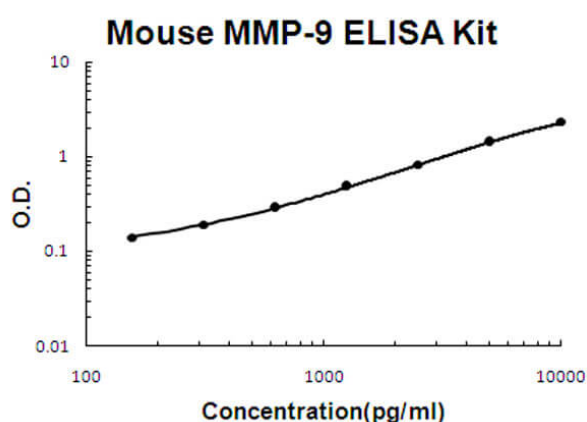
Shipping & Handling

Shipping Condition:	Wet Ice
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Storage Condition: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Expiration: See kit insert for complete instructions.

Images



ELISA

Mouse MMP-9 AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <20pg/ml.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.