Datasheet for ABIN5510633

MMP8 ELISA Kit

1 Image

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Overview

Quantity:	96 tests
Target:	MMP8
Binding Specificity:	AA 21-465
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse MMP-8
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NSO Immunogen sequence: F21-S465
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Tissue Specificity: Neutrophils. Expressed in uterus. Low levels in kidney and muscle.

Target Details

Target:	MMP8
Alternative Name:	Mmp8 (MMP8 Products)

Target Details

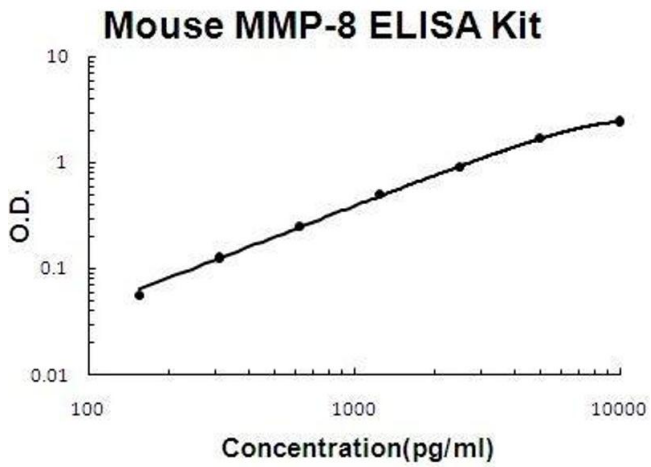
Background:	Protein Function: Can degrade fibrillar type I, II, and III collagens. May play a role in the degradation of collagen fibers during uterine involution. Background: Matrix metalloproteinase 8 (MMP8) also called neutrophil collagenase. Neutrophil collagenase, a member of the family of matrix 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. Synonyms: Neutrophil collagenase,3.4.24.34,Collagenase 2,Matrix metalloproteinase-8,MMP-8,Mmp8, Full Gene Name: Neutrophil collagenase Cellular Localisation: Cytoplasmic granule. Secreted, extracellular space, extracellular matrix. Stored in intracellular granules and released during inflammatory conditions.
UniProt:	O70138

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



ELISA

Image 1. Mouse MMP-8 PicoKine ELISA Kit standard curve