Datasheet for ABIN6720378

MMP8 ELISA Kit

1 Image

Go to Product page

Overview

Quantity:	1 kit
Target:	MMP8
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Human MMP-8 Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Plasma (heparin), Saliva, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant human total MMP-8. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 10 pg/mL
Components:	• Antibody-coated 96-well plate • Target Protein Standard • Detection antibody

Product Details

- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

Target Details

Target:	MMP8
Alternative Name:	MMP-8 (MMP8 Products)
Background:	Synonyms: BB138268, CLG 1, CLG1, Collagenase 1, Collagenase 1 neutrophil, HNC, Matrix metallopeptidase 8, Matrix metalloproteinase 8 (neutrophil collagenase), Matrix metalloproteinase-8, MMP 8, MMP-8, Mmp8, MMP8_HUMAN, Neutrophil collagenase, PMNL CL, PMNL collagenase, PMNL-CL 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 cross reactivity. 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. The standard product used in this kit is natural, isolating from human MMP-8. The detected MMP-8 includes zymogen and active enzyme.
Gene ID:	4317
NCBI Accession:	NP_001291370
UniProt:	P22894

Application Details

Application Notes:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human MMP-8 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent

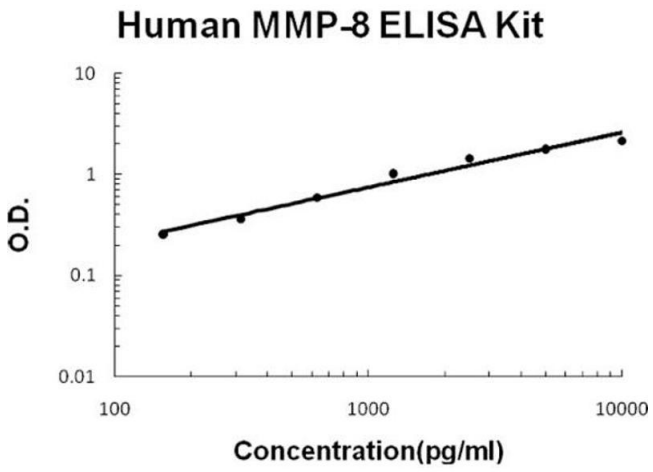
Application Details

	buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum, plasma (heparin) or saliva to each empty well. It is recommended that each human MMP-8 standard solution and each sample be measured in duplicate.
Comment:	Standard: Expression system for standard: E.coli, Immunogen sequence: F21-G467
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C,-20 °C
Storage Comment:	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.
Expiry Date:	12 months

Images



ELISA

Image 1. Human MMP-8 Accusignal ELISA Kit Human MMP-8 AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <10pg/ml.