

Porcine Matrix Metalloproteinase 1 (MMP1) ELISA Kit-Sandwich

Cat. No.: EK9F743

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Porcine MMP1 ELISA Kit-Sandwich is designed for the quantitative determination of Porcine matrix metalloproteinase 1 (MMP1) in serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids using a Sandwich ELISA method. For research use only.

Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Porcine MMP1.
Target Species	Swine
Species Reactivity	Swine
Detection Range	62.5-4000 pg/mL
Sensitivity	12.5 pg/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 180 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids.

Target Information

Matrix metalloproteinase 1, also known as interstitial collagenase, is encoded by the *MMP1* gene in pigs. It was identified as being upregulated in the cartilage of injured subjects across all timepoints regardless of treatment in a porcine model.

Target/Biomarker	Porcine MMP1
Target Synonym	matrix metalloproteinase 1; Mmp1a; interstitial collagenase; MMP-1; matrix metalloproteinase I collagenase propeptide; matrix metalloproteinase 1 (interstitial collagenase); matrix metalloproteinase 1 (type I collagenase); matrix metalloproteinase-1
Gene ID	397320
UniProt ID	P21692

Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

Reference

Donnenfield, J. I. *et al.* Transcriptomic changes in porcine articular cartilage one year following disruption of the anterior cruciate ligament. *PloS one.* 2023, 18: e0284777.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.