

Porcine Matrix Metalloproteinase 13 (MMP13) ELISA Kit-Sandwich

Cat. No.: EK9F745

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Porcine MMP13 ELISA Kit-Sandwich is designed for the quantitative determination of Porcine matrix metalloproteinase 13 (MMP13) 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 MMP13.
Target Species	Swine
Species Reactivity	Swine
Detection Range	0.2-10 ng/mL
Sensitivity	0.03 ng/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 13, also known as collagenase 3, is encoded by the *MMP13* gene in pigs. Research found that the presence of IL-1 α , IL-1RA, IL-2, IL-4, IL-6, and IL-10 and MMP-2, MMP-3, MMP-12, and MMP-13 in the synovial fluid was associated with better cartilage outcomes in a porcine model.

Target/Biomarker	Porcine MMP13
Target Synonym	matrix metalloproteinase 13; MMP-13; collagenase 3; matrix metalloproteinase 13 (collagenase 3); matrix metalloproteinase-13
Gene ID	397346
UniProt ID	F1SV56

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.* Predicting severity of cartilage damage in a post-traumatic porcine model: Synovial fluid and gait in a support vector machine. *PLoS one*. 2022, 17: e0268198.

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.