

Porcine Granzyme M (GZMM) ELISA Kit-Sandwich

Cat. No.: EK12F712

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Porcine Granzyme M (GZMM) ELISA Kit-Sandwich is designed for the quantitative determination of Porcine Granzyme M (GZMM) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, 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 GZMM.
Target Species	Swine
Species Reactivity	Swine
Detection Range	15.625-1000 pg/mL
Sensitivity	8.9 pg/mL
Recovery	80%-102%
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 270 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Granzyme M (GzmM), also known as met-ase 1, is a serine protease expressed in various immune cells, including natural killer (NK) cells and activated lymphocytes. Granzymes are a group of neutral serine proteases stored in large cytoplasmic granules of immune cells. Granzyme M is encoded by the *GZMM* gene in pigs. It can degrade α -tubulin. GzmM may have a role in increasing local MIP-1 α secretion during bacterial infection.

Target/Biomarker	Porcine GZMM
Target Synonym	granzyme M; granzyme M (lymphocyte met-ase 1)
Gene ID	100233186

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

de Jong, L. C. *et al.* Noncytotoxic functions of killer cell granzymes in viral infections. *PLoS pathogens*. 2021, 17: e1009818.

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.