

Canine Perforin 1 (PRF1) ELISA Kit-Sandwich

Cat. No.: EK10F602

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Canine PRF1 ELISA Kit-Sandwich is designed for the quantitative determination of Canine PRF1 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 Canine PRF1.
Target Species	Canine
Species Reactivity	Canine
Detection Range	39-2000 pg/mL
Sensitivity	7.8 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

Perforin 1 is encoded by the *PRF1* gene in dogs. It is a classic cytotoxicity marker. It is a pore-forming toxic protein housed in the secretory granules of cytotoxic T lymphocytes (CTLs) and natural killer (NK) cells.

Target/Biomarker	Canine PRF1
Target Synonym	perforin 1; perforin-1
Gene ID	489030
UniProt ID	C5IY80

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

Gingrich, A. A. *et al.* Comparative immunogenomics of canine natural killer cells as immunotherapy target. *Frontiers in immunology*. 2021, 12: 670309.

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.