

Canine Transferrin (TRF) ELISA Kit-Sandwich

Cat. No.: EK1F34

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Canine Transferrin (TRF) ELISA Kit-Sandwich is designed for the quantitative determination of Canine Transferrin (TRF) 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 Canine TRF.
Target Species	Canine
Species Reactivity	Canine
Detection Range	3.13-200 ng/mL
Sensitivity	1.12 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 210 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Transferrin is an iron-binding beta-globulin protein that transports iron to mammalian cells. As a blood protein responsible for transporting iron throughout the body, it is crucial for maintaining iron balance and delivering iron to cells for various functions. It may contribute to innate immunity to fungal pathogens, primarily by limiting microbial access to iron. It has been suggested that bovine and canine transferrin may contribute to innate immunity to *Malassezia pachydermatis*, an important opportunistic cutaneous yeast pathogen of dogs.

Target/Biomarker	Canine TRF
Target Synonym	TF; Siderophilin; Serotransferrin; Beta-1 metal-binding globulin

Shipping and Storage

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

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.