

Feline Cluster Of Differentiation 4 (CD4) ELISA Kit-Sandwich

Cat. No.: EK3F482

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Feline Cluster Of Differentiation 4 (CD4) ELISA Kit-Sandwich is designed for the quantitative determination of Feline CD4 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 Feline CD4.
Target Species	Feline
Species Reactivity	Feline
Detection Range	40-2000 pg/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 12%
Assay Time	Around 90 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

The *CD4* gene in cats encodes the Cluster of Differentiation 4 protein. CD4, a glycoprotein, functions as a co-receptor alongside the T-cell receptor (TCR). It is present on the surface of immune cells, including helper T cells, monocytes, macrophages, and dendritic cells. Serving as a co-receptor for the TCR, CD4 aids in the communication with antigen-presenting cells. Research has found that FIV infection can lead to abnormal CD4/CD8 T-cell ratio in cats, manifested as a decrease in the number of CD4 cells and impaired function.

Target/Biomarker	Feline CD4
Target Synonym	Cluster Of Differentiation 4; CD4; CD4 molecule; T-cell surface glycoprotein CD4; CD4 antigen
Gene ID	493775

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.