

Caprine Vitamin D3 (VD3) ELISA Kit-Competitive

Cat. No.: EK1F900

Product Type: Animal Immunoassay Kits

Size: 96T

Product Overview

BioVenic Caprine Vitamin D3 (VD3) ELISA Kit-Competitive is designed for the quantitative determination of Caprine Vitamin D3 (VD3) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Competitive ELISA method. For research use only.

Specifications

Assay Type	ELISA-Competitive
Specificity	The assay kit is specific for Caprine VD3.
Target Species	Caprine
Species Reactivity	Caprine
Detection Range	6.26-400 ng/mL
Sensitivity	2.14 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 120 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Vitamin D3 is made by the skin when exposed to sunlight. It is also known as cholecalciferol. Foods such as fatty fish (like salmon and mackerel), beef liver, egg yolks, and cheese naturally contain vitamin D3. It is crucial for bone health because it helps the body absorb calcium. It also plays a role in muscle function, immune health, and brain cell activity. The goat can be as a potential animal model for vitamin D research in dairy cattle.

Target/Biomarker	Caprine VD3
Target Synonym	Cholecalciferol; Toxiferol; Activated 7-Dehydrocholesterol

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.