

Canine Dopamine (DA) ELISA Kit-Competitive

Cat. No.: EK2F116

Product Type: Animal Immunoassay Kits

Size: 96T

Product Overview

BioVenic Canine Dopamine (DA) ELISA Kit-Competitive is designed for the quantitative determination of Canine Dopamine (DA) 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 Canine DA.
Target Species	Canine
Species Reactivity	Canine
Detection Range	15.63-1000 pg/mL
Sensitivity	4.71 pg/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

Dopamine is a neurotransmitter that plays a crucial role in the brain's reward and pleasure systems. It regulates mood, motivation, and movement, and is involved in various neurological processes such as learning, attention, and the control of voluntary movement. It causes blood vessels to relax (vasodilation) or constrict (vasoconstriction). It also increases sodium and urine removal from the body. The clinical use of dopamine infusion in dogs could be safely expanded to moderately higher doses.

Target/Biomarker	Canine DA
Target Synonym	2-(3,4-Dihydroxyphenyl)ethylamine; 3,4-Dihydroxyphenethylamine; 3-Hydroxytyramine; Intropin; Revivan; Oxytyramine; Dopamine Hydrochloride

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.