500-E Wheeler Rd, Hauppauge, NY 11788
info@biovenic.com
www.biovenic.com

Canine Carnosine (Car) ELISA Kit-Competitive

Cat. No.: EK1F924

Product Type: Animal Immunoassay Kits

Size: 96T

Product Overview

BioVenic Canine Carnosine (Car) ELISA Kit-Competitive is designed for the quantitative determination of Canine Carnosine (Car) 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 Car.
Target Species	Canine
Species Reactivity	Canine
Detection Range	14.07-900 ng/mL
Sensitivity	3.53 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

Carnosine is a dipeptide molecule, made up of the amino acids beta-alanine and histidine. Carnosine is naturally produced by the body in the liver from beta-alanine and histidine. It is highly concentrated in muscle and brain tissues. It acts as an intramuscular buffer, helping to maintain the pH range in animal muscles, scavenges reactive oxygen species (ROS) and protects against oxidative stress. In the brain, it serves as a neurotransmitter. In the dog, the insulin and glucagon secretion following the ingestion of meat meals could be related in part to their histidine content as a component of carnosine.

Target/Biomarker	Canine Car
Target Synonym	β-Alanyl-L-Histidine

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.