

Canine Angiotensin I Converting Enzyme (ACE) ELISA Kit-Sandwich

Cat. No.: EK10F748

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Canine ACE ELISA Kit-Sandwich is designed for the quantitative determination of Canine ACE in serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids using a ELISA method. For research use only.

Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Canine ACE.
Target Species	Canine
Species Reactivity	Canine
Detection Range	0.85-50 ng/mL
Sensitivity	0.14 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 180 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids.

Target Information

Angiotensin I converting enzyme is encoded by the *ACE* gene in dogs. It is an important catalyst for the renin-angiotensin aldosterone system (RAAS) cascade by cleaving a carboxy-terminal dipeptide from angiotensin I to form angiotensin II.

Target/Biomarker	Canine ACE
Target Synonym	angiotensin I converting enzyme; DCP1; angiotensin-converting enzyme; peptidyl-di-peptidase A; angiotensin converting enzyme
Gene ID	610668
UniProt ID	A0A8I3S392

Shipping and Storage

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

Reference

Adin, D. B. *et al.* Prevalence of an angiotensin-converting enzyme gene variant in dogs. *Canine Medicine and Genetics*. 2021, 8: 6.

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.