

Canine Arachidonic Acid (AA) ELISA Kit-Competitive

Cat. No.: EK2F236

Product Type: Animal Immunoassay Kits

Size: 96T

Product Overview

BioVenic Canine Arachidonic Acid (AA) ELISA Kit-Competitive is designed for the quantitative determination of Canine Arachidonic Acid (AA) 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 AA.
Target Species	Canine
Species Reactivity	Canine
Detection Range	3.13-200 µg/mL
Sensitivity	0.94 µg/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

Arachidonic acid (AA) is an essential fatty acid and a precursor in the biosynthesis of prostaglandins, thromboxanes, and leukotrienes. Arachidonic acid has a 20-carbon chain and four cis-double bonds. The first double bond is located at the sixth carbon from the omega end. It has been indicated that canine tracheal epithelial cells metabolize arachidonic acid via both prostaglandin H synthase and lipoxygenase enzymes.

Target/Biomarker	Canine AA
Target Synonym	ARA

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

Eling, T. E. *et al.* Arachidonic acid metabolism by canine tracheal epithelial cells. Product formation and relationship to chloride secretion. *The Journal of biological chemistry*. 1986, 261: 12841-12849.

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.