

Caprine Leukotriene E4 (LTE4) ELISA Kit-Competitive

Cat. No.: EK1F517

Product Type: Animal Immunoassay Kits

Size: 96T

Product Overview

BioVenic Caprine Leukotriene E4 (LTE4) ELISA Kit-Competitive is designed for the quantitative determination of Caprine Leukotriene E4 (LTE4) 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 LTE4.
Target Species	Caprine
Species Reactivity	Caprine
Detection Range	31.26-2000 pg/mL
Sensitivity	9.41 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

Leukotriene E4 (LTE4) is a cysteinyl leukotriene that is involved in inflammation. It is produced by several types of white blood cells, including eosinophils, mast cells, tissue macrophages, and basophils. LTE4 is formed from the sequential conversion of LTC4 to LTD4 and then to LTE4. Compared to the short half-lives of LTC4 and LTD4, LTE4 is relatively stable and accumulates in breath condensation, plasma, and urine.

Target/Biomarker	Caprine LTE4
Target Synonym	Cysteinyl Leukotrienes E4

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.