

Canine Complement Component 4 (C4) ELISA Kit-Sandwich

Cat. No.: EK3F411

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Canine Complement Component 4 (C4) ELISA Kit-Sandwich is designed for the quantitative determination of Canine C4 in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Sandwich ELISA method. For research use only.

Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Canine C4.
Target Species	Canine
Species Reactivity	Canine
Detection Range	16-1000 pg/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 12%
Assay Time	Around 90 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Complement component 4 (C4) is a protein that plays a significant role in the complex complement system. It performs several vital functions related to immunity, tolerance, and autoimmunity in conjunction with various other components. Complement C4 is classified as a major histocompatibility complex class-III protein. As a non-enzymatic component of C3 and C5 convertases, it is crucial for the continuation of the classical complement pathway. The major fragment of C4, C4b, binds to the surface of pathogens or damaged cell surfaces upon complement activation and acts as a marker, making pathogens or damaged cells more easily recognized and cleared by phagocytes.

Target/Biomarker	Canine C4
Target Synonym	complement component 4; C4; Acidic Complement C4

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.