

Canine Complement 3 (C3) ELISA Kit-Competitive

Cat. No.: EK3F395

Product Type: Animal Immunoassay Kits

Size: 96T

Product Overview

BioVenic Canine Complement 3 (C3) ELISA Kit-Competitive is designed for the quantitative determination of Canine C3 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 C3.
Target Species	Canine
Species Reactivity	Canine
Detection Range	0.78-50 µg/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 3, commonly known as C3, is an immune system protein predominantly present in the blood. It is a vital part of the complement system in vertebrates and plays a significant role in innate immunity. Dogs with a deficiency in Complement 3 are highly prone to infections and kidney disease, requiring careful monitoring. C3 undergoes a complex catabolic process upon activation, generating multiple fragments (e.g., C3b, C3c, etc.). These fragments have different functions in the immune response. The canine complement system may play a role in immune-mediated hemolytic anemia, which is closely related to the function of C3.

Target/Biomarker	Canine C3
Target Synonym	Complement 3; C3; Complement component 3

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.