

ARG83486 Canine Complement C3 ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

Product Description	ARG83486 Canine Complement C3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Canine Complement C3 in Plasma and Serum
Tested Reactivity	Dog
Tested Application	ELISA
Target Name	Complement C3
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	3 ng/ml
Sample Type	Plasma and Serum
Standard Range	6.25 - 200 ng/ml
Sample Volume	100 µl
Alternate Names	C3; Complement C3; CPAMD1; ARMD9; C3a; C3b; C3 And PZP-Like Alpha-2-Macroglobulin Domain-Containing Protein 1; Complement Component C3a; Complement Component C3b; Complement Component 3; C3a Anaphylatoxin; Prepro-C3; Epididymis Secretory Sperm Binding Protein Li 62p; Acylation-Stimulating Protein Cleavage Product; HEL-S-62p; AHUS5; ASP

Application Instructions

Assay Time	1 hour
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Properties

Form	96 well
Storage instruction	Store the kit at 4°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	C3
Gene Full Name	complement component 3
Background	Complement component C3 plays a central role in the activation of complement system. Its activation is required for both classical and alternative complement activation pathways. The encoded preproprotein is proteolytically processed to generate alpha and beta subunits that form the mature protein, which is then further processed to generate numerous peptide products. The C3a peptide, also known as the C3a anaphylatoxin, modulates inflammation and possesses antimicrobial activity. Mutations in this gene are associated with atypical hemolytic uremic syndrome and age-related macular degeneration in human patients

Function	C3 plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates.
PTM	Cleavage on pair of basic residues, Disulfide bond, Glycoprotein, Phosphoprotein, Thioester bond
Cellular Localization	Secreted