

Canine Complement Fragment 3a ELISA Kit | C3a elisa kit

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CATALOG #
AAA17234

REACTIVITY
Canine

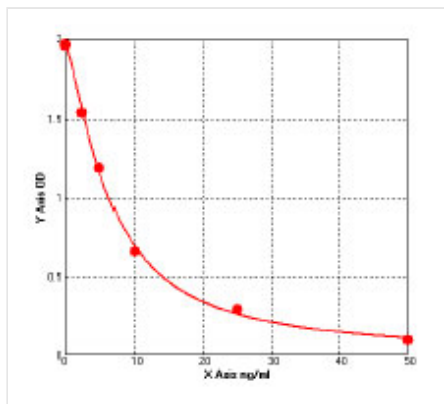
PRODUCT SYNONYMS

Complement Fragment 3a; Canine Complement Fragment 3a ELISA Kit; C3a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of C3alpha. No significant cross-reactivity or interference between C3alpha and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between C3alpha and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C3a elisa kit	Principle of the Assay: C3alpha ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-C3alpha antibody and an C3alpha-HRP conjugate. The assay sample and buffer are incubated together with C3alpha-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the C3alpha concentration since C3alpha from samples and C3alpha-HRP conjugate compete for the anti-C3alpha antibody binding site. Since the number of sites is limited, as more sites are occupied by C3alpha from the sample, fewer sites are left to bind C3alpha-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C3alpha concentration in each sample is interpolated from this standard curve. Intended Uses: This C3alpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine C3alpha. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for C3a elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	115298678
NCBI GeneID	718
NCBI Accession #	NP_000055.2
NCBI GenBank Nucleotide #	NM_000064.2
Molecular Weight	187,148 Da
NCBI Official Full Name	complement C3
NCBI Official Synonym Full Names	complement component 3
NCBI Official Symbol	C3
NCBI Official Synonym Symbols	ASP; C3a; C3b; AHUS5; ARMD9; CPAMD1; HEL-S-62p
NCBI Protein Information	complement C3; prepro-C3; C3a anaphylatoxin; complement component C3; complement component C3a; complement component C3b; acylation-stimulating protein cleavage product; epididymis secretory sperm binding protein Li 62p; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1
UniProt Protein Name	Complement C3
UniProt Gene Name	C3
UniProt Synonym Gene Names	CPAMD1; ASP
UniProt Entry Name	CO3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/c3a-canine-elisa-kits/complement-fragment-3a/17234>