

Canine Complement Fragment 4d, C4d ELISA Kit | C4d elisa kit

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CATALOG #
AAA244462

REACTIVITY
Canine

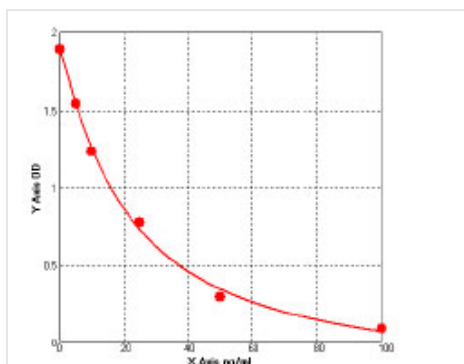
PRODUCT SYNONYMS

Complement Fragment 4d; C4d; Canine Complement Fragment 4d; C4d ELISA Kit; C4d elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of C4d. No significant cross-reactivity or interference between C4d and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between C4d and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C4d elisa kit	Intended Uses: This C4d ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human C4d. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: C4d ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-C4d antibody and an C4d-HRP conjugate. The assay sample and buffer are incubated together with C4d-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 C4d concentration since C4d from samples and C4d-HRP conjugate compete for the anti-C4d antibody binding site. Since the number of sites is limited, as more sites are occupied by C4d from the sample, fewer sites are left to bind C4d-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C4d concentration in each sample is interpolated from this standard curve.
Product Categories/Family for C4d elisa kit	Immunology

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/canine-elisa-kits/complement-fragment-4d-c4d/244462>