

Canine Complement 4 ELISA Kit | C4 elisa kit

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CATALOG #
AAA16903

REACTIVITY
Canine

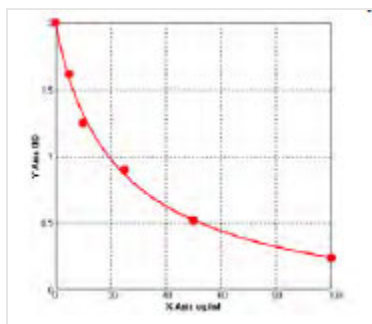
PRODUCT SYNONYMS

Complement 4; Canine Complement 4 ELISA Kit; C4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of C4. No significant cross-reactivity or interference between C4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between C4 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	1.0 ?g/mL
Intended Uses	This C4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine C4. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C4 elisa kit	Principle of the Assay: C4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-C4 antibody and an C4-HRP conjugate. The assay sample and buffer are incubated together with C4-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 C4 concentration since C4 from samples and C4-HRP conjugate compete for the anti-C4 antibody binding site. Since the number of sites is limited, as more sites are occupied by C4 from the sample, fewer sites are left to bind C4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C4 concentration in each sample is interpolated from this standard curve. Intended Uses: This C4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine C4. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for C4 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	116175422
NCBI GeneID	426611
NCBI Accession #	NP_001070701.1
NCBI GenBank Nucleotide #	NM_001077233.1
NCBI Official Full Name	complement 4
NCBI Official Synonym Full Names	complement 4
NCBI Official Symbol	C4
NCBI Official Synonym Symbols	C4-2
NCBI Protein Information	complement 4; complement C4; MHC-linked complement C4

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.