

Canine Anti-Complement 1q Antibody ELISA Kit | C1q elisa kit

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CATALOG #
AAA89765

REACTIVITY
Canine

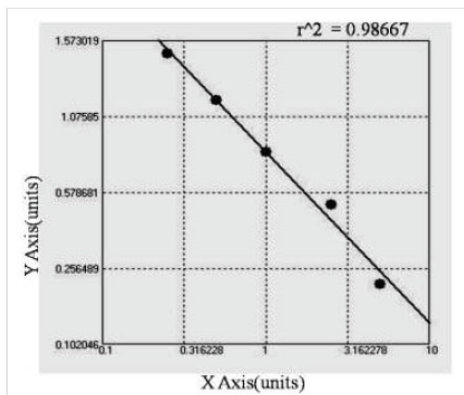
PRODUCT SYNONYMS

Anti-Complement 1q Antibody; Canine Anti-Complement 1q Antibody ELISA Kit; C1q elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	0-100 U/mL
Sensitivity	0.1 U/mL
Intended Uses	This Anti-C1q ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine Anti-C1q. 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 C1q elisa kit

Principle of the Assay: Anti-C1q ELISA kit applies the competitive enzyme immunoassay technique utilizing Complement 1q antigen and an Anti-C1q-HRP conjugate. The assay sample and buffer are incubated together with Anti-C1q-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 Anti-C1q concentration since Anti-C1q from samples and Anti-C1q-HRP conjugate compete for the Complement 1q antigen binding site. Since the number of sites is limited, as more sites are occupied by Anti-C1q from the sample, fewer sites are left to bind Anti-C1q-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Anti-C1q concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	14149712
NCBI GeneID	114902
NCBI Accession #	NP_056460.1
NCBI GenBank Nucleotide #	NM_015645.4
Molecular Weight	25,298 Da
NCBI Official Full Name	complement C1q tumor necrosis factor-related protein 5
NCBI Official Synonym Full Names	C1q and tumor necrosis factor related protein 5
NCBI Official Symbol	C1QTNF5
NCBI Official Synonym Symbols	CTRP5
NCBI Protein Information	complement C1q tumor necrosis factor-related protein 5; myonectin; C1q TNF-alpha-related protein 5
UniProt Protein Name	Complement C1q tumor necrosis factor-related protein 5
UniProt Gene Name	C1QTNF5
UniProt Synonym Gene Names	CTRP5; UNQ303/PRO344
UniProt Entry Name	C1QT5_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.