

Canine Membrane cofactor protein (CD46) ELISA Kit | CD46 elisa kit

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CATALOG #
AAA245867

REACTIVITY
Canine

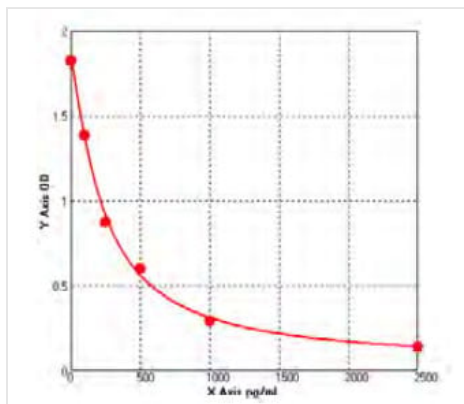
PRODUCT SYNONYMS

Membrane cofactor protein (CD46); Canine Membrane cofactor protein (CD46) ELISA Kit; CD46 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of CD46. No significant cross-reactivity or interference between CD46 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CD46 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 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD46 elisa kit	Intended Uses: This CD46 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CD46. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CD46 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CD46 antibody and an CD46-HRP conjugate. The assay sample and buffer are incubated together with CD46-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 CD46 concentration since CD46 from samples and CD46-HRP conjugate compete for the anti-CD46 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD46 from the sample, fewer sites are left to bind CD46-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD46 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CD46 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	41019474
NCBI GeneID	4179
Molecular Weight	36,826 Da
NCBI Official Full Name	Membrane cofactor protein
NCBI Official Synonym Full Names	CD46 molecule, complement regulatory protein
NCBI Official Symbol	CD46
NCBI Official Synonym Symbols	MCP; TLX; AHUS2; MIC10; TRA2.10
NCBI Protein Information	membrane cofactor protein; measles virus receptor; complement membrane cofactor protein; trophoblast leucocyte common antigen; trophoblast leukocyte common antigen; CD46 antigen, complement regulatory protein; trophoblast-lymphocyte cross-reactive antigen; antigen identified by monoclonal antibody TRA-2-10; membrane cofactor protein (CD46, trophoblast-lymphocyte cross-reactive antigen)
UniProt Protein Name	Membrane cofactor protein
UniProt Gene Name	CD46
UniProt Synonym Gene Names	MCP; MIC10
UniProt Entry Name	MCP_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/canine-elisa-kits/membrane-cofactor-protein-cd46/245867>