

Canine Carbonic Anhydrase 9 (CA9) ELISA Kit | CA9 elisa kit

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CATALOG #
AAA27170

REACTIVITY
Canine

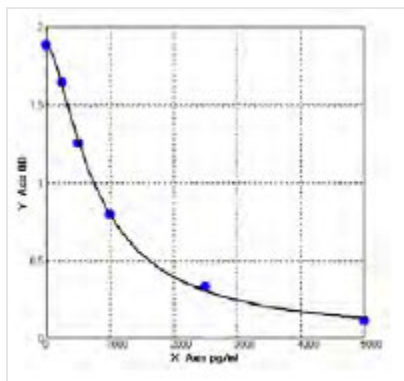
PRODUCT SYNONYMS

Carbonic Anhydrase 9 (CA9); Canine Carbonic Anhydrase 9 (CA9) ELISA Kit; CA9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of CA9. No significant cross-reactivity or interference between CA9 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CA9 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 CA9 elisa kit	Intended Uses: This CA9 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CA9. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CA9 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CA9 antibody and an CA9-HRP conjugate. The assay sample and buffer are incubated together with CA9-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 CA9 concentration since CA9 from samples and CA9-HRP conjugate compete for the anti-CA9 antibody binding site. Since the number of sites is limited, as more sites are occupied by CA9 from the sample, fewer sites are left to bind CA9-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CA9 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CA9 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	169636420
NCBI GeneID	768
NCBI Accession #	NP_001207.2
NCBI GenBank Nucleotide #	NM_001216.2
Molecular Weight	49,698 Da
NCBI Official Full Name	carbonic anhydrase 9
NCBI Official Synonym Full Names	carbonic anhydrase IX
NCBI Official Symbol	CA9
NCBI Official Synonym Symbols	MN; CAIX
NCBI Protein Information	carbonic anhydrase 9; pMW1; CA-IX; P54/58N; membrane antigen MN; carbonic dehydratase; carbonate dehydratase IX; RCC-associated antigen G250; RCC-associated protein G250; renal cell carcinoma-associated antigen G250
UniProt Protein Name	Carbonic anhydrase 9
UniProt Gene Name	CA9
UniProt Synonym Gene Names	G250; MN; CA-IX; CAIX; RCC-associated antigen G250
UniProt Entry Name	CAH9_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.