

Human Carbonic anhydrase 9 ELISA Kit | CA9 elisa kit

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CATALOG #
AAA97699

REACTIVITY
Human

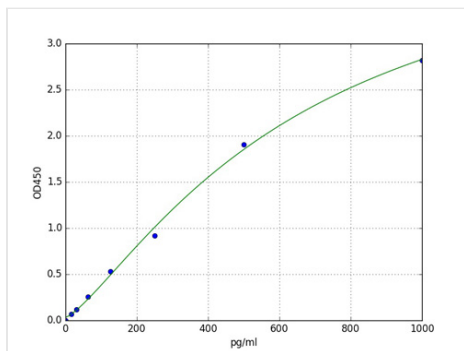
PRODUCT SYNONYMS

Carbonic anhydrase 9; Human Carbonic anhydrase 9 ELISA Kit; CA9 (Carbonic anhydrase 9)/CAIX/CA-IX/MN/Carbonic Dehydratase; CA9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	459
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve
Results of a typical standard run of a CA9 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	15.6	31.2	62.5	125	250	500	1000
Y	OD450	0.012	0.041	0.072	0.128	0.246	0.484	1.139	2.228

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CA9 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti- CA9 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- CA9 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the CA9 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of CA9 can be calculated.

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
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.

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Online datasheet: <https://www.aaabiotech.com/ca9-human-elisa-kits/carbonic-anhydrase-9/97699>