

Rat Carbonic Anhydrase IX ELISA Kit | CA9 elisa kit

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CATALOG #
AAA99925

REACTIVITY
Rat

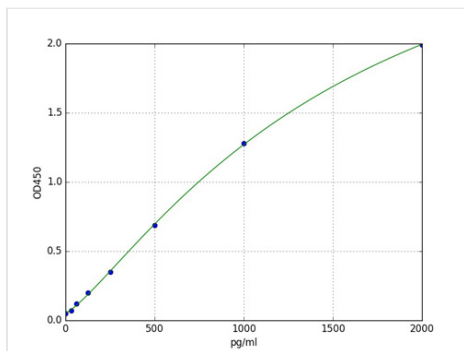
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	459
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/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 Rat 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	31.2	62.5	125	250	500	1000	2000
Y	OD450	0.049	0.076	0.111	0.178	0.333	0.640	1.356	2.445

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-Rat CA9 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat 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 Rat CA9 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat CA9 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

119578763

NCBI GeneID	768
Molecular Weight	49,698 Da
NCBI Official Full Name	carbonic anhydrase IX
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://stage.aaabiotech.com/ca9-rat-elisa-kits/carbonic-anhydrase-ix/99925>