

Rat Carbonic anhydrase 1 ELISA Kit | Ca1 elisa kit

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CATALOG #
AAA98850

REACTIVITY
Rat

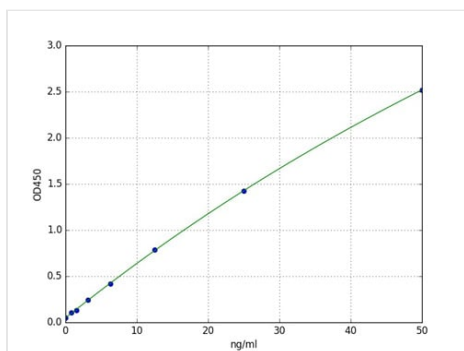
PRODUCT SYNONYMS

Carbonic anhydrase 1; Rat Carbonic anhydrase 1 ELISA Kit; Ca1/Carbonic anhydrase 1; Ca1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	336
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	7.813-500pg/ml
Sensitivity	4.688pg/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 Ca1 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	ng/ml	0	0.781	1.563	3.125	6.25	12.5	25	50
Y	OD450	0.061	0.109	0.134	0.247	0.577	0.901	1.293	2.451

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ca1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Ca1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Ca1 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 Ca1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Ca1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

30678353

NCBI GeneID	821134
NCBI Accession #	NP_850491.1
NCBI GenBank Nucleotide #	NM_180160.3
Molecular Weight	29,504 Da
NCBI Official Full Name	carbonic anhydrase 1
NCBI Official Symbol	CA1
NCBI Official Synonym Symbols	ARABIDOPSIS THALIANA SALICYLIC ACID-BINDING PROTEIN 3; ATBCA1; ATSABP3; BETA CARBONIC ANHYDRASE 1; CA1; carbonic anhydrase 1; F4P13.5; F4P13_5; SABP3; SALICYLIC ACID-BINDING PROTEIN 3
NCBI Protein Information	carbonic anhydrase 1
UniProt Protein Name	Beta carbonic anhydrase 1, chloroplastic
UniProt Gene Name	BCA1
UniProt Synonym Gene Names	AtbCA1; AtbetaCA1; AtSABP3
UniProt Entry Name	BCA1_ARATH

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/ca1-rat-elisa-kits/carbonic-anhydrase-1/98850>