

Mouse Carbonic Anhydrase I ELISA Kit | CA1 elisa kit

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CATALOG #
AAA98467

REACTIVITY
Mouse

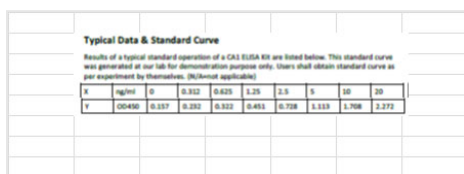
PRODUCT SYNONYMS

Carbonic Anhydrase I; Mouse Carbonic Anhydrase I ELISA Kit; CA1/Car1/Carbonate dehydratase I/Carbonic anhydrase B/carbonic anhydrase ICAB/carbonic dehydratase; CA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CA1 . No significant cross-reactivity or interference between CA1 and analogues was observed. Note: Limited by current skills and knowledge, it is difficult for us to complete the crossreactivity detection between CA1 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	258
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CA1 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CA1 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
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)

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- CA1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- CA1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRPStreptavidin 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 CA1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of CA1 can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	118405056
NCBI GeneID	780246
NCBI Accession #	NP_001072785.1
NCBI GenBank Nucleotide #	NM_001079317.1
NCBI Official Full Name	carbonic anhydrase I
NCBI Official Symbol	car1_predicted
NCBI Protein Information	carbonic anhydrase I

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-mouse-elisa-kits/carbonic-anhydrase-i/98467>