

Human Carbonic Anhydrase VB, Mitochondrial ELISA Kit | CA5B elisa kit

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CATALOG #
AAA100880

REACTIVITY
Human

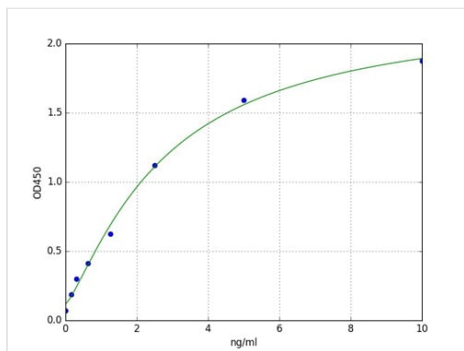
PRODUCT SYNONYMS

Carbonic Anhydrase VB; Mitochondrial; Human Carbonic Anhydrase VB; Mitochondrial ELISA Kit; CA5B/CA-VB/CAVB/CA5B/CAVB/Carbonate dehydratase VB/carbonic anhydrase 5B; mitochondrial/Carbonic anhydrase VB/carbonic anhydrase VB; mitochondrial/carbonic dehydratase/CA-VB/EC 4.2.1.1/MGC39962; CA5B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	317
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/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 Human CA5B 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	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.016	0.074	0.133	0.238	0.490	0.912	1.731	2.521

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CA5B elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human CA5B antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human CA5B 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 Human CA5B amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human CA5B can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119619304
NCBI GeneID	11238
Molecular Weight	36,434 Da
NCBI Official Full Name	carbonic anhydrase VB, mitochondrial, isoform CRA_c
NCBI Official Synonym Full Names	carbonic anhydrase VB, mitochondrial
NCBI Official Symbol	CA5B
NCBI Official Synonym Symbols	CA-VB
NCBI Protein Information	carbonic anhydrase 5B, mitochondrial
UniProt Protein Name	Carbonic anhydrase 5B, mitochondrial
UniProt Gene Name	CA5B
UniProt Synonym Gene Names	CA-VB
UniProt Entry Name	CAH5B_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/ca5b-human-elisa-kits/carbonic-anhydrase-vb-mitochondrial/100880>