

Human Carbonic anhydrase 4 ELISA Kit | CA4 elisa kit

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CATALOG #
AAA99862

REACTIVITY
Human

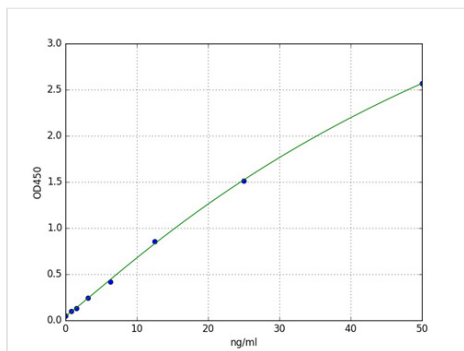
PRODUCT SYNONYMS

Carbonic anhydrase 4; Human Carbonic anhydrase 4 ELISA Kit; CA4 (Carbonic Anhydrase IV)/CAIV/CA-IV/Car4/RP17/Carbonate dehydratase IV; CA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	309
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/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 CA4 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	0.098	0.186	0.272	0.434	0.751	1.207	1.667	2.189

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CA4 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-CA4 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-CA4 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 CA4 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of CA4 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

9506449

NCBI GeneID	29242
NCBI Accession #	NP_062047.1
NCBI GenBank Nucleotide #	NM_019174.3
Molecular Weight	35,076 Da
NCBI Official Full Name	carbonic anhydrase 4
NCBI Official Synonym Full Names	carbonic anhydrase 4
NCBI Official Symbol	Car4
NCBI Official Synonym Symbols	Ca4
NCBI Protein Information	carbonic anhydrase 4
UniProt Protein Name	Carbonic anhydrase 4
UniProt Gene Name	Ca4
UniProt Synonym Gene Names	CA-IV
UniProt Entry Name	CAH4_RAT

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/ca4-human-elisa-kits/carbonic-anhydrase-4/99862>