

Human Carbonic anhydrase 14 ELISA Kit | CA14 elisa kit

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CATALOG #
AAA99286

REACTIVITY
Human

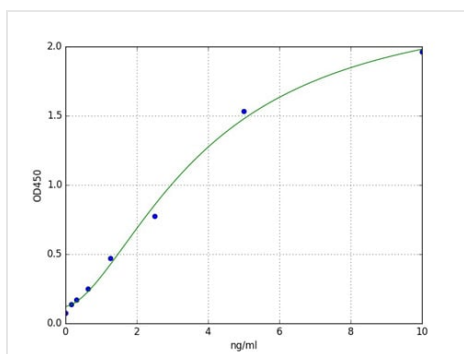
PRODUCT SYNONYMS

Carbonic anhydrase 14; Human Carbonic anhydrase 14 ELISA Kit; CA14/Carbonic anhydrase 14/Carbonate dehydratase XIV/Carbonic anhydrase XIV/CA-XIV/CAXiV; CA14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	337
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 CA14 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	0.003	0.238	0.422	0.789	1.377	1.769	2.053	2.529

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CA14 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-CA14 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-CA14 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 CA14 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of CA14 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912284
NCBI GeneID	23632
NCBI Accession #	NP_036245.1
NCBI GenBank Nucleotide #	NM_012113.2
Molecular Weight	37,668 Da
NCBI Official Full Name	carbonic anhydrase 14
NCBI Official Synonym Full Names	carbonic anhydrase XIV
NCBI Official Symbol	CA14
NCBI Official Synonym Symbols	CAXiV
NCBI Protein Information	carbonic anhydrase 14
UniProt Protein Name	Carbonic anhydrase 14
UniProt Gene Name	CA14
UniProt Synonym Gene Names	CA-XIV
UniProt Entry Name	CAH14_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/ca14-human-elisa-kits/carbonic-anhydrase-14/99286>