

Human Carbonic anhydrase 12 ELISA Kit | CA12 elisa kit

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CATALOG #
AAA102511

REACTIVITY
Human

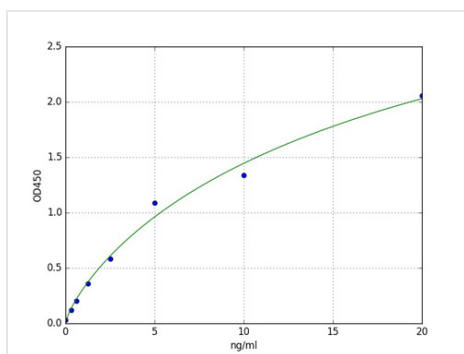
PRODUCT SYNONYMS

Carbonic anhydrase 12; Human Carbonic anhydrase 12 ELISA Kit; CA12/Carbonate dehydratase XII/carbonic anhydrase 12/carbonic dehydratase/CA-XII; CA12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	283
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
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)

Results of a typical standard run of a Human CA12 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	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.033	0.165	0.282	0.514	0.908	1.534	2.030	2.195

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CA12 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human CA12 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human CA12 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. 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 Human CA12 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human CA12 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	654824169
NCBI GeneID	771
NCBI Accession #	NP_001280571.1
NCBI GenBank Nucleotide #	NM_001293642.1
Molecular Weight	38,408 Da
NCBI Official Full Name	carbonic anhydrase 12 isoform 3
NCBI Official Synonym Full Names	carbonic anhydrase XII
NCBI Official Symbol	CA12
NCBI Official Synonym Symbols	CAXII; HsT18816
NCBI Protein Information	carbonic anhydrase 12
UniProt Protein Name	Carbonic anhydrase 12
UniProt Gene Name	CA12
UniProt Synonym Gene Names	CA-XII
UniProt Entry Name	CAH12_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/ca12-human-elisa-kits/carbonic-anhydrase-12/102511>