

Human CA1 ELISA Kit | CA1 elisa kit

Human CA1 PicoKine ELISA Kit

CATALOG #
AAA124971REACTIVITY
Human

PRODUCT SYNONYMS

CA1; Human CA1 PicoKine ELISA Kit; Human CA1; CA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human CA1
Sequence Length	261
Assay Range	312pg/ml-20000pg/ml
Sensitivity	<50pg/ml
Capture Antibody	A monoclonal antibody from mouse.
Detection Antibody	A biotinylated detection polyclonal antibody from goat.
Intra/Inter Assay Precision	Sample: 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(pg/ml): 452 2590 9786 584 2656 9986 Standard Deviation: 18.98 157.99 636.09 31.54 114.21 559.22 CV(%): 4.2% 6.1% 6.5% 5.4% 4.3% 5.6%
Sample Data	Concentration (pg/ml): 0 312 625 1250 2500 5000 10000 20000 OD: 0.046 0.110 0.159 0.293 0.478 0.821 1.386 1.833

ADDITIONAL INFORMATION

Related Product Information for CA1 elisa kit	Description: For quantitative detection of human CA1 in cell culture supernates, serum and plasma (heparin, EDTA, citrate). Background: Human CA1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for CA1 has been precoated onto 96-well plates. Standards (Expression system for standard: E Coli, Immunogen sequence: A2-F261) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CA1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 Fibronectin amount of sample captured in plate. Carbonic anhydrase 1 is an enzyme that in humans is encoded by the CA1 gene. It is a member of the Carbonic anhydrase.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20380766
NCBI GeneID	759
NCBI Official Full Name	CA1 protein
NCBI Official Synonym Full Names	carbonic anhydrase 1

NCBI Official Symbol	CA1
NCBI Official Synonym Symbols	CAB; CA-I; Car1; HEL-S-11
NCBI Protein Information	carbonic anhydrase 1

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://www.aaabiotech.com/human-elisa-kits/ca1/124971>