

Human Carbonic Anhydrase 14, CA14 ELISA Kit | CA14 elisa kit

Human Carbonic Anhydrase 14, CA14 Primacu ELISA Kit

CATALOG #
AAA124119

REACTIVITY
Human

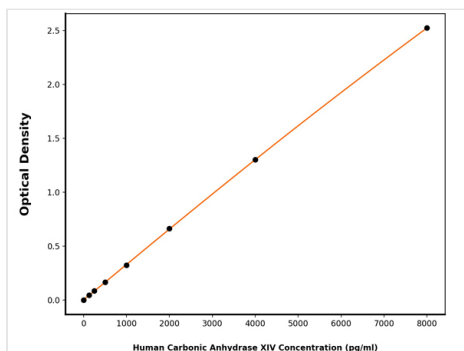
PRODUCT SYNONYMS

Carbonic Anhydrase 14; CA14; Human Carbonic Anhydrase 14; CA14 Primacu ELISA Kit; Carbonic anhydrase 14; Carbonic Anhydrase XIV; CA14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	125-8000pg/mL
Sensitivity	31.09pg/mL
Standard Solution	80ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for CA14 elisa kit

The carbonic anhydrases (or carbonate dehydratases) are classified as metalloenzyme for its zinc ion prosthetic group and form a family of enzymes that catalyze the rapid interconversion of carbon dioxide and water to bicarbonate and protons, a reversible reaction that takes part in maintaining acid-base balance in blood and other tissues. The carbonic anhydrase (CA) family consists of at least 11 enzymatically active members and a few inactive homologous proteins. CAXIV is a member of CA family that showed an overall similarity of 29-46% to other active CA isozymes. The highest percentage similarity was with a transmembrane CA isoform, CAXII. The CAXIV was found high concentrations in human heart, brain, liver, and skeletal muscle but lower in the colon, small intestine, urinary bladder, and kidney. No CAXIV mRNA was seen in the salivary gland and pancreas. CAXIV is a likely candidate for the extracellular CA postulated to have an important role in modulating excitatory synaptic transmission in brain.

Product Categories/Family for CA14
elisa kit

Primacu ELISA Kit; Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912284
NCBI GeneID	23632
NCBI Accession #	NP_036245.1
NCBI GenBank Nucleotide #	NM_012113.1
UniProt Accession #	Q9ULX7; Q5TB24; Q8NCF4
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; CA-XIV; carbonic dehydratase; carbonate dehydratase XIV
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://www.aaabiotech.com/human-elisa-kits/carbonic-anhydrase-14-ca14/124119>