

Human CA13 ELISA Kit | CA13 elisa kit

Human CA13 ELISA Kit PicoKine

CATALOG # AAA126693	REACTIVITY Human	APPLICATIONS ELISA
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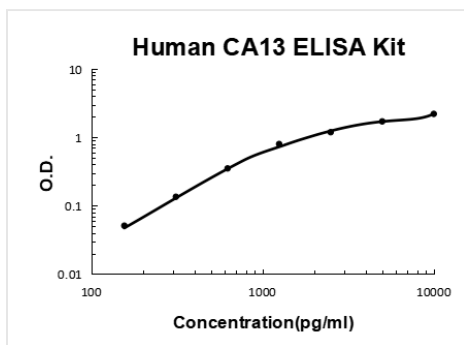
PRODUCT SYNONYMS

CA13; Human CA13 ELISA Kit PicoKine; CA13 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CA13
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	156 pg/ml - 10,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for CA13 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human CA13 PicoKine ELISA Kit Standard Curve

ADDITIONAL INFORMATION

Related Product Information for CA13 elisa kit	Background: Carbonic anhydrase 13 is a protein that in humans is encoded by the CA13 gene. Carbonic anhydrases (CAs) are a family of zinc metalloenzymes. For background information on the CA family, see MIM 114800. Principle of the Assay: The Picokine™ Human CA13 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human CA13 with a 96-well strip plate that is pre-coated with antibody specific for CA13. The detection antibody is a biotinylated antibody specific for CA13. The capture antibody is monoclonal antibody from mouse and the detection antibody is biotinylated polyclonal antibody from goat. The kit includes Human CA13 protein as standards. To measure Human CA13, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human CA13 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CA13 in the sample.
Product Categories/Family for CA13 elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	38348436
NCBI GeneID	377677
NCBI Accession #	NP_940986.1
NCBI GenBank Nucleotide #	NM_198584.2
UniProt Accession #	Q8N1Q1
Molecular Weight	29,443 Da
NCBI Official Full Name	carbonic anhydrase 13
NCBI Official Synonym Full Names	carbonic anhydrase XIII
NCBI Official Symbol	CA13
NCBI Official Synonym Symbols	CAXIII
NCBI Protein Information	carbonic anhydrase 13; CA-XIII; carbonate dehydratase XIII
UniProt Protein Name	Carbonic anhydrase 13
UniProt Gene Name	CA13
UniProt Synonym Gene Names	CA-XIII
UniProt Entry Name	CAH13_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.