

Human CPE ELISA Kit | CPE elisa kit

Human CPE PicoKine ELISA Kit

CATALOG #
AAA125084

REACTIVITY
Human

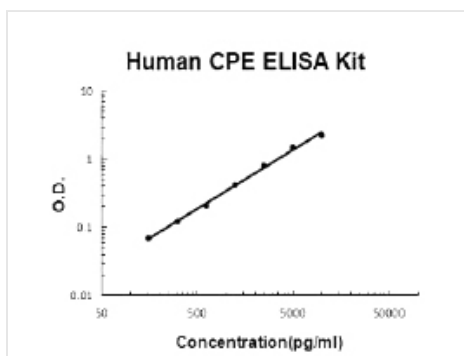
PRODUCT SYNONYMS

CPE; Human CPE PicoKine ELISA Kit; Human CPE; CPE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CPA2
Samples	Cell Culture Supernates, Serum And Plasma(Heparin, Edta)
Detection Range	93.6pg/ml-6000pg/ml
Sensitivity	<15pg/ml
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 accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CPE elisa kit	Principle of the Assay: The Picokine Human CPA2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CPA2 with a 96-well strip plate that is pre-coated with antibody specific for CPA2. The detection antibody is a biotinylated antibody specific for CPA2. The capture antibody is A monoclonal antibody from mouse, the detection antibody is a biotinylated detection polyclonal antibody from goat. The kit contains recombinant Human CPA2 with immunogen: Expression system for standard: NSO, Immunogen sequence: S115-Y419. The kit is analytically validated with ready to use reagents. To measure Human CPA2, 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 substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human CPA2 in the sample. Read the density 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 CPA2 in the sample!!Background/Introduction: Carboxypeptidase A2 is an enzyme that in humans is encoded by the CPA2 gene. This gene is mapped to 7q32.2. Three different forms of human pancreatic procarboxypeptidase A have been isolated. The encoded protein represents the A2 form, which is a monomeric protein with different biochemical properties from the A1 and A3 forms. The A2 form of pancreatic procarboxypeptidase acts on aromatic C-terminal residues and is a secreted protein.
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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/human-elisa-kits/cpe/125084>