

Human Carboxypeptidase A2 ELISA Kit | CPA2 elisa kit

Human Carboxypeptidase A2 ELISA Kit

CATALOG #
AAA37892

REACTIVITY
Human

PRODUCT SYNONYMS

Carboxypeptidase A2; Human Carboxypeptidase A2 ELISA Kit; CPA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	sandwich
Samples	cell culture supernates, serum and plasma (heparin, EDTA)
Detection Range	93.6pg/ml-6000pg/ml
Sensitivity	<15pg/ml
Detection Target	Carboxypeptidase A2
Immunogen Sequence	369
Cross-Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles. (Shipped with wet ice)

ADDITIONAL INFORMATION

Related Product Information for CPA2 elisa kit

This Human Carboxypeptidase A2 ELISA Kit is intended for quantitative detection of human CPA2 in cell culture supernates, serum and plasma (heparin, EDTA). Strip well format. Reagents for up to 96 tests.

This human CPA2 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for CPA2 has been precoated onto 96-well plates. Standards (Expression system for standard: NSO, Immunogen sequence: S115-Y419) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CPA2 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.

The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated detection polyclonal antibody from goat. Expression system for standard: 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	217416390
NCBI GeneID	1358
NCBI Accession #	NP_001860.2
NCBI GenBank Nucleotide #	NM_001869.2

UniProt Accession #	P48052; Q53XS1; Q96A12; Q96QN3; Q9UCF1; A4D1M4; C9JIK1
Molecular Weight	47,030 Da
NCBI Official Full Name	carboxypeptidase A2
NCBI Official Synonym Full Names	carboxypeptidase A2
NCBI Official Symbol	CPA2
NCBI Protein Information	carboxypeptidase A2
UniProt Protein Name	Carboxypeptidase A2
UniProt Gene Name	CPA2

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/carboxypeptidase-a2/37892>