

Mouse Carboxypeptidase A1, Pancreatic ELISA Kit | CPA1 elisa kit

Mouse Carboxypeptidase A1, Pancreatic (CPA1) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA189989

REACTIVITY
Mouse

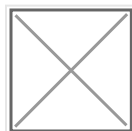
PRODUCT SYNONYMS

Carboxypeptidase A1; Pancreatic; Mouse Carboxypeptidase A1; Pancreatic (CPA1) (Sandwich ELISA) ELISA Kit; ELISA Kit for Carboxypeptidase A1; Pancreatic (CPA1); CPA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Carboxypeptidase A1, Pancreatic (CPA1). No significant cross-reactivity or interference between Carboxypeptidase A1, Pancreatic (CPA1) and analogues was observed. Reactive with Mouse CPA1 / Carboxypeptidase A1, Pancreatic
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.061ng/mL
Detection Method	Colormetric
Assay Precision	Intra-Assay: CV<10%, Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)
Typical Standard Curve for CPA1 ELISA (Sandwich)

ADDITIONAL INFORMATION

Related Product Information for CPA1 elisa kit

Principle of the Assay||The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Carboxypeptidase A1, Pancreatic (CPA1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Carboxypeptidase A1, Pancreatic (CPA1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Carboxypeptidase A1, Pancreatic (CPA1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of Carboxypeptidase A1, Pancreatic (CPA1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Product Categories/Family for CPA1 elisa kit

[Enzyme & Kinase](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	54312076
NCBI GeneID	109697
NCBI Accession #	NP_079626.2
NCBI GenBank Nucleotide #	NM_025350.4
UniProt Accession #	Q7TPZ8
Molecular Weight	47,385 Da
NCBI Official Full Name	carboxypeptidase A1 preproprotein
NCBI Official Synonym Full Names	carboxypeptidase A1, pancreatic
NCBI Official Symbol	Cpa1
NCBI Official Synonym Symbols	Cpa; 0910001L12Rik
NCBI Protein Information	carboxypeptidase A1
UniProt Protein Name	Carboxypeptidase A1
UniProt Gene Name	Cpa1

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/cpa1-mouse-elisa-kits/carboxypeptidase-a1-pancreatic/189989>