

Human Carboxypeptidase N1 (CPN1) ELISA Kit | CPN1 elisa kit

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CATALOG #
AAA138196

REACTIVITY
Human

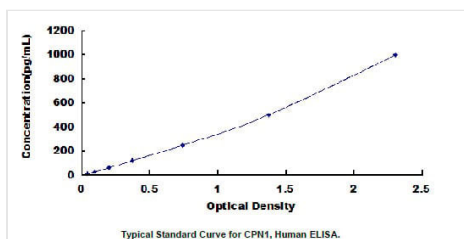
PRODUCT SYNONYMS

Carboxypeptidase N1 (CPN1); Human Carboxypeptidase N1 (CPN1) ELISA Kit; CPN; SCPN; ACBP; Anaphylatoxin inactivator; Arginine carboxypeptidase; Kininase-1; Lysine carboxypeptidase; Plasma carboxypeptidase B; Serum carboxypeptidase N; CPN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of cPLA2. No significant cross-reactivity or interference between cPLA2 and analogues was observed.
Sequence Length	448
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	6.2pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level cPLA2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level cPLA2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CPN1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of cPLA2 in mouse serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to cPLA2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to cPLA2. 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 cPLA2, 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 +/- 10nm. The concentration of cPLA2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CPN1 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	733372764
Molecular Weight	50,802 Da
NCBI Official Full Name	carboxypeptidase N1
UniProt Protein Name	Carboxypeptidase N1
UniProt Gene Name	CPN1
UniProt Entry Name	A0A0A7NUP8_OPLFA

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/carboxypeptidase-n1-cpn1/138196>