

Human carboxypeptidase N, polypeptide 1 ELISA Kit | CPN1 elisa kit

Human Carboxypeptidase N Catalytic chain, CPN1 ELISA Kit

CATALOG #
AAA113091

REACTIVITY
Human

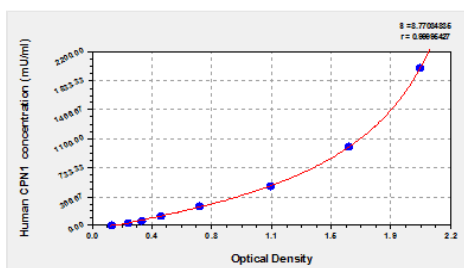
PRODUCT SYNONYMS

carboxypeptidase N; polypeptide 1; Human Carboxypeptidase N Catalytic chain; CPN1 ELISA Kit; Human Carboxypeptidase N catalytic chain (CPN1) ELISA kit; CPN; FLJ40792; SCPN; anaphylatoxin inactivator; arginine carboxypeptidase; carboxypeptidase N catalytic subunit; carboxypeptidase N polypeptide 1 50 kD; carboxypeptidase N small subunit; kininase I; lysin; CPN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human CPN1. No significant cross-reactivity or interference between human CPN1 and analogues was observed.
Sequence Length	458
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	31.25 mU/ml-2000 mU/ml
Sensitivity	< 7.8 mU/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CPN1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CPN1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CPN1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CPN1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CPN1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503011
NCBI GeneID	1369
NCBI Accession #	NP_001299.1
NCBI GenBank Nucleotide #	NM_001308.2
UniProt Accession #	P15169; B1AP59
Molecular Weight	52,286 Da
NCBI Official Full Name	carboxypeptidase N catalytic chain
NCBI Official Synonym Full Names	carboxypeptidase N, polypeptide 1
NCBI Official Symbol	CPN1
NCBI Official Synonym Symbols	CPN; SCPN
NCBI Protein Information	carboxypeptidase N catalytic chain; kininase I; kininase-1; carboxypeptidase K; lysine carboxypeptidase; serum carboxypeptidase N; anaphylatoxin inactivator; arginine carboxypeptidase; plasma carboxypeptidase B; carboxypeptidase N small subunit; carboxypeptidase N catalytic subunit; carboxypeptidase N polypeptide 1 50 kD
UniProt Protein Name	Carboxypeptidase N catalytic chain
UniProt Gene Name	CPN1
UniProt Synonym Gene Names	ACBP; CPN; SCPN
UniProt Entry Name	CBPN_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.

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Online datasheet: <https://stage.aaabiotech.com/cpn1-human-elisa-kits/carboxypeptidase-n-polypeptide-1/113091>