

Monkey Carboxypeptidase N subunit 2 (CPN2) ELISA Kit | CPN2 elisa kit

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CATALOG #
AAA245360

REACTIVITY
Monkey

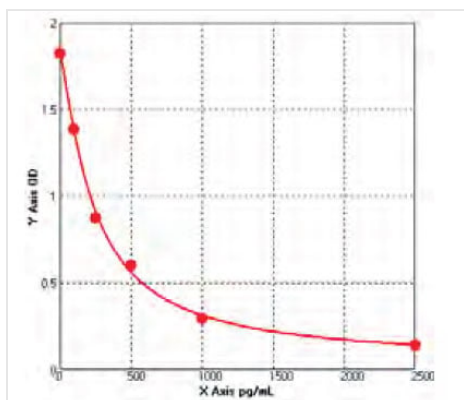
PRODUCT SYNONYMS

Carboxypeptidase N subunit 2 (CPN2); Monkey Carboxypeptidase N subunit 2 (CPN2) ELISA Kit; CPN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Specificity	This assay has high sensitivity and excellent specificity for detection of CPN2. No significant cross-reactivity or interference between CPN2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CPN2 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CPN2 elisa kit	Intended Uses: This CPN2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey CPN2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CPN2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CPN2 antibody and an CPN2-HRP conjugate. The assay sample and buffer are incubated together with CPN2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CPN2 concentration since CPN2 from samples and CPN2-HRP conjugate compete for the anti-CPN2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CPN2 from the sample, fewer sites are left to bind CPN2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CPN2 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	635172819
NCBI GeneID	1370
NCBI Accession #	NP_001073982.3
NCBI GenBank Nucleotide #	NM_001080513.3
Molecular Weight	60,557 Da
NCBI Official Full Name	carboxypeptidase N subunit 2
NCBI Official Synonym Full Names	carboxypeptidase N, polypeptide 2
NCBI Official Symbol	CPN2
NCBI Official Synonym Symbols	ACBP
NCBI Protein Information	carboxypeptidase N subunit 2; arginine carboxypeptidase; carboxypeptidase N 83 kDa chain; carboxypeptidase N large subunit; carboxypeptidase N regulatory subunit; carboxypeptidase N, polypeptide 2, 83kD
UniProt Protein Name	Carboxypeptidase N subunit 2
UniProt Gene Name	CPN2
UniProt Synonym Gene Names	ACBP
UniProt Entry Name	CPN2_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.