

Rat Carboxypeptidase D (CPD) ELISA Kit | CPD elisa kit

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CATALOG #
AAA27117

REACTIVITY
Rat

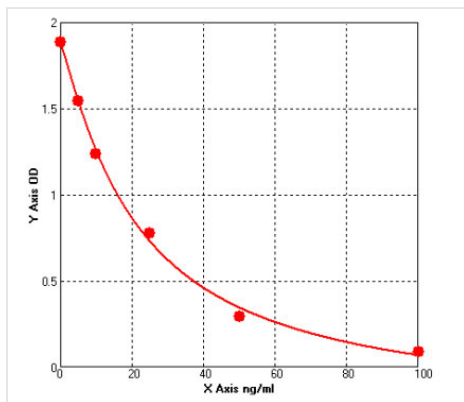
PRODUCT SYNONYMS

Carboxypeptidase D (CPD); Rat Carboxypeptidase D (CPD) ELISA Kit; CPD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CPD. No significant cross-reactivity or interference between CPD and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CPD and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CPD elisa kit	Principle of the Assay: CPD ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CPD antibody and an CPD-HRP conjugate. The assay sample and buffer are incubated together with CPD-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 CPD concentration since CPD from samples and CPD-HRP conjugate compete for the anti-CPD antibody binding site. Since the number of sites is limited, as more sites are occupied by CPD from the sample, fewer sites are left to bind CPD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CPD concentration in each sample is interpolated from this standard curve. Intended Uses: This CPD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CPD. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22202611
NCBI GeneID	1362
NCBI Accession #	NP_001295.2
NCBI GenBank Nucleotide #	NM_001304.4
Molecular Weight	126,487 Da
NCBI Official Full Name	carboxypeptidase D isoform 1
NCBI Official Synonym Full Names	carboxypeptidase D
NCBI Official Symbol	CPD
NCBI Official Synonym Symbols	GP180
NCBI Protein Information	carboxypeptidase D; metallocarboxypeptidase D
UniProt Protein Name	Carboxypeptidase D
UniProt Gene Name	CPD
UniProt Entry Name	CBPD_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.