

Human Carboxypeptidase M (CPM) ELISA Kit | CPM elisa kit

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CATALOG #
AAA245557

REACTIVITY
Human

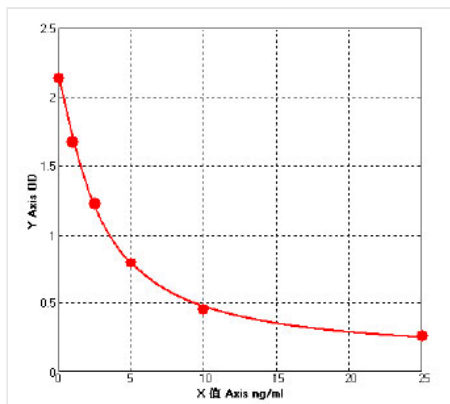
PRODUCT SYNONYMS

Carboxypeptidase M (CPM); Human Carboxypeptidase M (CPM) ELISA Kit; CPM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CPM. No significant cross-reactivity or interference between CPM and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CPM 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 CPM elisa kit	Intended Uses: This CPM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CPM. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CPM ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CPM antibody and an CPM-HRP conjugate. The assay sample and buffer are incubated together with CPM-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 CPM concentration since CPM from samples and CPM-HRP conjugate compete for the anti-CPM antibody binding site. Since the number of sites is limited, as more sites are occupied by CPM from the sample, fewer sites are left to bind CPM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CPM concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	53832021
NCBI GeneID	1368
NCBI Accession #	NP_001005502.1
NCBI GenBank Nucleotide #	NM_001005502.2
Molecular Weight	50,514 Da
NCBI Official Full Name	carboxypeptidase M
NCBI Official Synonym Full Names	carboxypeptidase M
NCBI Official Symbol	CPM
NCBI Protein Information	carboxypeptidase M; renal carboxypeptidase; urinary carboxypeptidase B
UniProt Protein Name	Carboxypeptidase M
UniProt Gene Name	CPM
UniProt Synonym Gene Names	CPM
UniProt Entry Name	CBPM_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.