

Human CPM ELISA Kit | CPM elisa kit

Human CPM ELISA Kit PicoKine

CATALOG # AAA126727	REACTIVITY Human	APPLICATIONS ELISA
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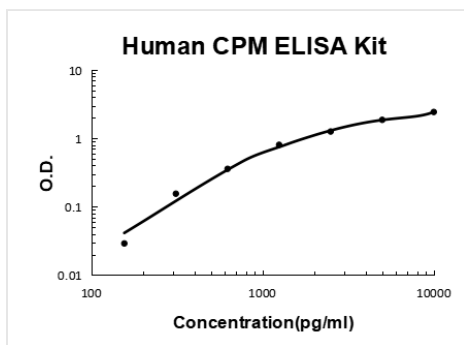
PRODUCT SYNONYMS

CPM; Human CPM ELISA Kit PicoKine; CPM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CPM
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	156 pg/ml - 10,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for CPM elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human CPM PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CPM elisa kit	Background: Carboxypeptidase M (EC 3.4.17.12, CPM) is an enzyme. The protein encoded by this gene is a membrane-bound arginine/lysine carboxypeptidase. Its expression is associated with monocyte to macrophage differentiation. This encoded protein contains hydrophobic regions at the amino and carboxy termini and has 6 potential asparagine-linked glycosylation sites. The active site residues of carboxypeptidases A and B are conserved in this protein. Three alternatively spliced transcript variants encoding the same protein have been described for this gene. Principle of the Assay: The Picokine™ Human CPM Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human CPM with a 96-well strip plate that is pre-coated with antibody specific for CPM. The detection antibody is a biotinylated antibody specific for CPM. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Human CPM protein as standards. To measure Human CPM, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbound ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human CPM in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CPM in the sample.
Product Categories/Family for CPM elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	53832021
NCBI GeneID	1368
NCBI Accession #	NP_001005502.1
NCBI GenBank Nucleotide #	NM_001005502.2
UniProt Accession #	P14384; Q9H2K9; B2R800
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.