

ARG83265 Human CPM / Carboxypeptidase M ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

Product Description	ARG83265 Human CPM / Carboxypeptidase M ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CPM / Carboxypeptidase M in Serum, Plasma and Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CPM / Carboxypeptidase M
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	13 pg/ml
Detection Range	156 pg/ml - 10,000 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 4.2% Inter-Assay CV: 4.4%
Alternate Names	EC 3.4.17.12; CPM; Carboxypeptidase M

Application Instructions

Assay Time	~ 5 hours
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Properties

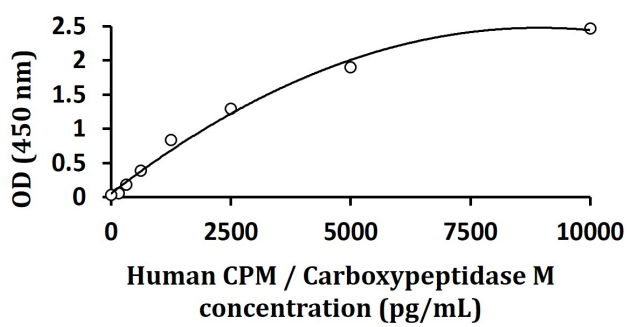
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CPM
Gene Full Name	carboxypeptidase M
Background	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. [provided by RefSeq, Jul 2008]

Function	Specifically removes C-terminal basic residues (Arg or Lys) from peptides and proteins. It is believed to play important roles in the control of peptide hormone and growth factor activity at the cell surface, and in the membrane-localized degradation of extracellular proteins. [UniProt]
Cellular Localization	Cell membrane; Lipid-anchor, GPI-anchor. [UniProt]

Images



ARG83265 Human CPM / Carboxypeptidase M ELISA Kit standard curve image

ARG83265 Human CPM / Carboxypeptidase M ELISA Kit results of a typical standard run with optical density reading at 450 nm.