

Human carboxypeptidase A3 (mast cell) ELISA Kit | CPA3 elisa kit

Human Mast Cell Carboxypeptidase ELISA Kit

CATALOG #
AAA15100

REACTIVITY
Human

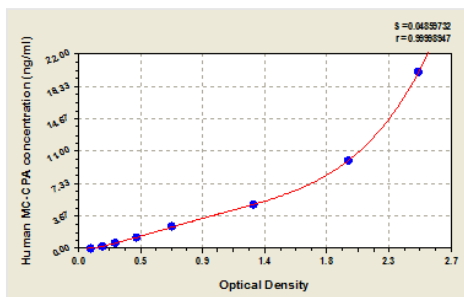
PRODUCT SYNONYMS

carboxypeptidase A3 (mast cell); Human Mast Cell Carboxypeptidase ELISA Kit; MC-CPA; carboxypeptidase A3; CPA3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human mast cell carboxypeptidase. No significant cross-reactivity or interference between human mast cell carboxypeptidase and analogues was observed.
Sequence Length	417
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.312 ng/ml-20 ng/ml
Sensitivity	Typically less than 0.078 ng/ml.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CPA3 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for mast cell carboxypeptidase has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any mast cell carboxypeptidase present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for mast cell carboxypeptidase is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of mast cell carboxypeptidase bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	221316749
NCBI GeneID	1359
NCBI Accession #	NP_001861.2
NCBI GenBank Nucleotide #	NM_001870.2
UniProt Accession #	P15088; Q96E94
Molecular Weight	48,670 Da
NCBI Official Full Name	mast cell carboxypeptidase A
NCBI Official Synonym Full Names	carboxypeptidase A3 (mast cell)
NCBI Official Symbol	CPA3
NCBI Official Synonym Symbols	MC-CPA
NCBI Protein Information	mast cell carboxypeptidase A; tissue carboxypeptidase A
UniProt Protein Name	Mast cell carboxypeptidase A
UniProt Gene Name	CPA3
UniProt Synonym Gene Names	MC-CPA
UniProt Entry Name	CBPA3_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.

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Online datasheet: <https://stage.aaabiotech.com/cpa3-human-elisa-kits/carboxypeptidase-a3-mast-cell/15100>