

Mouse Carboxypeptidase A3, Mast Cell (CPA3) ELISA Kit | CPA3 elisa kit

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CATALOG #
AAA65568

REACTIVITY
Mouse

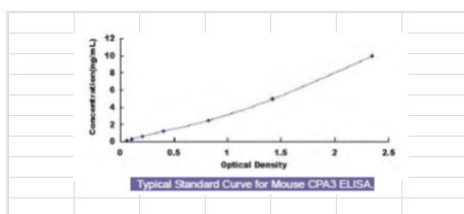
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CPA3. No significant cross-reactivity or interference between CPA3 and analogues was observed.
Sequence Length	417
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CPA3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CPA3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CPA3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CPA3 in mouse serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CPA3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CPA3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CPA3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CPA3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6680999
NCBI GeneID	12873
NCBI Accession #	NP_031779.1
NCBI GenBank Nucleotide #	NM_007753.2
UniProt Accession #	P15089
Molecular Weight	48,790 Da
NCBI Official Full Name	mast cell carboxypeptidase A preproprotein
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
UniProt Protein Name	Mast cell carboxypeptidase A
UniProt Gene Name	Cpa3
UniProt Synonym Gene Names	MC-CPA

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/mouse-elisa-kits/carboxypeptidase-a3-mast-cell-cpa3/65568>