

Human Protein L-Isoaspartate-O-Methyltransferase (PCMT1) ELISA Kit | PCMT1 elisa kit

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CATALOG #
AAA67066

REACTIVITY
Human

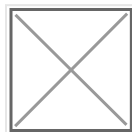
PRODUCT SYNONYMS

Protein L-Isoaspartate-O-Methyltransferase (PCMT1); Human Protein L-Isoaspartate-O-Methyltransferase (PCMT1) ELISA Kit; PIMT; L-isoaspartyl protein carboxyl methyltransferase; Protein L-isoaspartyl/D-aspartyl methyltransferase; Protein-beta-aspartate methyltransferase; PCMT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PCMT1. No significant cross-reactivity or interference between PCMT1 and analogues was observed.
Sequence Length	286
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	13.8pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PCMT1 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 PCMT1 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 PCMT1 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PCMT1 in human 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 PCMT1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PCMT1. 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 PCMT1, 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 PCMT1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	354983493
NCBI GeneID	5110
NCBI Accession #	NP_001238978.1
NCBI GenBank Nucleotide #	NM_001252049.1
UniProt Accession #	P22061; Q14661; Q16556; Q5VYC1; Q5VYC2; Q93061; Q96I19; Q99625; Q9BQV7; Q9BQV8; A8K109; J3KP72
Molecular Weight	24,679 Da
NCBI Official Full Name	protein-L-isoaspartate(D-aspartate) O-methyltransferase isoform 2
NCBI Official Synonym Full Names	protein-L-isoaspartate (D-aspartate) O-methyltransferase
NCBI Official Symbol	PCMT1
NCBI Official Synonym Symbols	PIMT
NCBI Protein Information	protein-L-isoaspartate(D-aspartate) O-methyltransferase
UniProt Protein Name	Protein-L-isoaspartate(D-aspartate) O-methyltransferase
UniProt Gene Name	PCMT1
UniProt Synonym Gene Names	PIMT

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/human-elisa-kits/protein-l-isoaspartate-o-methyltransferase-pcmt1/67066>