

Human Peptidylprolyl Isomerase C (PPIC) ELISA Kit | PPIC elisa kit

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CATALOG #
AAA184899

REACTIVITY
Human

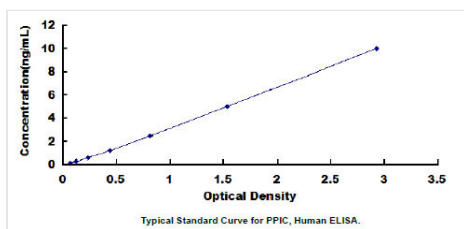
PRODUCT SYNONYMS

Peptidylprolyl Isomerase C (PPIC); Human Peptidylprolyl Isomerase C (PPIC) ELISA Kit; PPI-C; CYPC; Cyclophilin C; Peptidyl Prolyl Cis/Trans Isomerase C; Rotamase C; PPIC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PPIC. No significant cross-reactivity or interference between PPIC and analogues was observed.
Sequence Length	212
Samples	Human tissue homogenates, cell lysates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PPIC 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 PPIC were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PPIC elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PPIC in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PPIC. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PPIC. 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 PPIC, 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 PPIC 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 #	12803685
NCBI GeneID	5480
UniProt Accession #	P45877; A4LBB5
Molecular Weight	22,763 Da
NCBI Official Full Name	Peptidylprolyl isomerase C (cyclophilin C)
NCBI Official Synonym Full Names	peptidylprolyl isomerase C
NCBI Official Symbol	PPIC
NCBI Official Synonym Symbols	CYPC
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase C
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase C
UniProt Gene Name	PPIC
UniProt Synonym Gene Names	CYPC; PPIase C

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://www.aaabiotech.com/human-elisa-kits/peptidylprolyl-isomerase-c-ppic/184899>