

Rat Cyclophilin D (CYPD) ELISA Kit | CYPD elisa kit

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CATALOG #
AAA148573

REACTIVITY
Rat

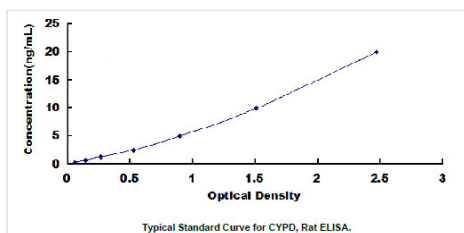
PRODUCT SYNONYMS

Cyclophilin D (CYPD); Rat Cyclophilin D (CYPD) ELISA Kit; PPID; CYP-40; CyP-D; PPlase D; Peptidylprolyl Isomerase D; Cyclophilin 40; 40 kDa peptidyl-prolyl cis-trans isomerase; Cyclophilin-related protein; Rotamase D; CYPD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CYPD. No significant cross-reactivity or interference between CYPD and analogues was observed.
Sequence Length	370
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.117ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CYPD 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 CYPD 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 CYPD elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CYPD in rat 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 CYPD. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CYPD. 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 CYPD, 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 CYPD in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CYPD elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	51948528
NCBI GeneID	361967
NCBI Accession #	NP_001004279.1
NCBI GenBank Nucleotide #	NM_001004279.1
UniProt Accession #	Q6DGG0
Molecular Weight	40,766 Da
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase D
NCBI Official Synonym Full Names	peptidylprolyl isomerase D
NCBI Official Symbol	Ppid
NCBI Official Synonym Symbols	CypD; Cyp-40
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase D
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase D
UniProt Gene Name	Ppid
UniProt Synonym Gene Names	PPlase D; CYP-40

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/rat-elisa-kits/cyclophilin-d-cypd/148573>