

Mouse Cyclophilin 40 (CYP-40) ELISA Kit | CYP-40 elisa kit

Mouse Cyclophilin 40 (CYP-40)(Sandwich ELISA) ELISA Kit

CATALOG #
AAA152386

REACTIVITY
Mouse

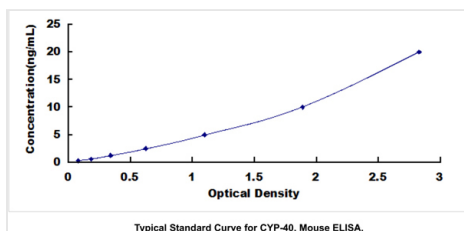
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CYP-40. No significant cross-reactivity or interference between CYP-40 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.122ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CYP-40 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 CYP-40 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf-life: one year 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 CYP-40 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CYP-40. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CYP-40. 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 CYP-40, 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 CYP-40 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CYP-40 in mouse tissue homogenates, cell lysates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	23396571
NCBI GeneID	67738
UniProt Accession #	Q9CR16; Q543G1
Molecular Weight	40,743 Da
NCBI Official Full Name	Peptidyl-prolyl cis-trans isomerase D
NCBI Official Synonym Full Names	peptidylprolyl isomerase D (cyclophilin D)
NCBI Official Symbol	Ppid
NCBI Official Synonym Symbols	Ppidl; CYP-40; 4930564J03Rik
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	PPIase DBy similarityManual assertion inferred from sequence similarity toUniProtKB:Q08752Â (PPID_HUMAN); CYP-40By similarityManual assertion inferred from sequence similarity toUniProtKB:Q08752Â (PPID_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.