

Mouse Cyclophilin 40 ELISA Kit | CYP-40 elisa kit

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

CATALOG #
AAA189917

REACTIVITY
Mouse

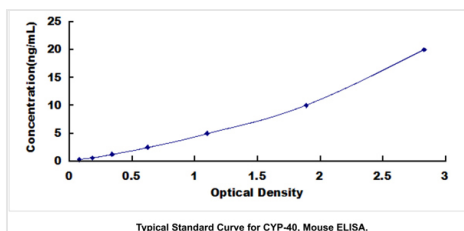
PRODUCT SYNONYMS

Cyclophilin 40; Mouse Cyclophilin 40 (CYP-40) (Sandwich ELISA) ELISA Kit; PPID; CYPD; CyP-D; PPIase D; Peptidylprolyl Isomerase D; 40 kDa peptidyl-prolyl cis-trans isomerase; Cyclophilin-related protein; Rotamase D; ELISA Kit for Cyclophilin 40 (CYP-40); 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	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

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.
Product Categories/Family for CYP-40 elisa kit	Signal transduction

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	PPlase 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.