

Mouse Cyclophilin B ELISA Kit | CYPB elisa kit

Mouse Cyclophilin B ELISA Kit

CATALOG #
AAA98665

REACTIVITY
Mouse

PRODUCT SYNONYMS

Cyclophilin B; Mouse Cyclophilin B ELISA Kit; CYPB/CYP-S1/PPIB/S-cyclophilin/SCYLP/cyclophilin-like protein//CYPBEC 5.2.1.8/CYP-S1/MGC2224/OI9MGC14109/peptidyl-prolyl cis-trans isomerase B/peptidylprolyl isomerase B (cyclophilin B)/PPIase B/Rotamase B/S-cyclophilin/SCYLP; CYPB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CYPB. No significant cross-reactivity or interference between CYPB and analogues was observed.
Sequence Length	208
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	125-8000pg/ml
Sensitivity	75pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CYPB were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CYPB were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a CYPB ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	125	250	500	1000	2000	4000	8000
Y	OD450	0.161	0.38	0.49	0.664	1.211	1.817	2.198	2.533

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYPB elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-CYPB antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-CYPB antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the CYPB amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of CYPB can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	181335
NCBI GeneID	5479
Molecular Weight	23,743 Da
NCBI Official Full Name	cyclophilin B
NCBI Official Synonym Full Names	peptidylprolyl isomerase B
NCBI Official Symbol	PPIB
NCBI Official Synonym Symbols	OI9; CYPB; SCYLP; CYP-S1; HEL-S-39
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase B
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase B
UniProt Gene Name	PPIB
UniProt Synonym Gene Names	CYPB; PPlase B; SCYLP
UniProt Entry Name	PPIB_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.

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Online datasheet: <https://stage.aaabiotech.com/cypb-mouse-elisa-kits/cyclophilin-b/98665>