

Human Dihydropyrimidinase (DPYS) ELISA Kit | DPYS elisa kit

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CATALOG #
AAA66900

REACTIVITY
Human

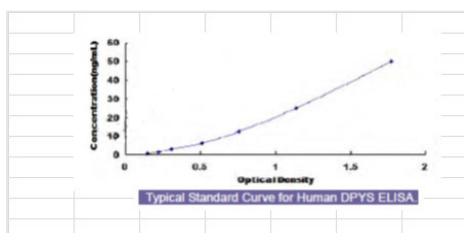
PRODUCT SYNONYMS

Dihydropyrimidinase (DPYS); Human Dihydropyrimidinase (DPYS) ELISA Kit; DHP DHPase 5; 6-Dihydropyrimidine Amidohydrolase Hydantoinase; DPYS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DPYS. No significant cross-reactivity or interference between DPYS and analogues was observed.
Sequence Length	519
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.781-50ng/mL
Sensitivity	0.31ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DPYS 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 DPYS were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DPYS elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of DPYS in human tissue homogenatesand other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to DPYS. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DPYS. 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 DPYS, 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 DPYS 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 #	4503375
NCBI GeneID	1807
NCBI Accession #	NP_001376.1
NCBI GenBank Nucleotide #	NM_001385.2
UniProt Accession #	Q14117
Molecular Weight	56,630 Da
NCBI Official Full Name	dihydropyrimidinase
NCBI Official Synonym Full Names	dihydropyrimidinase
NCBI Official Symbol	DPYS
NCBI Official Synonym Symbols	DHP; DHPase
NCBI Protein Information	dihydropyrimidinase
UniProt Protein Name	Dihydropyrimidinase
UniProt Gene Name	DPYS
UniProt Synonym Gene Names	DHP; DHPase

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/human-elisa-kits/dihydropyrimidinase-dpys/66900>