

Mouse Dihydropyrimidine Dehydrogenase ELISA Kit | DPYD elisa kit

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CATALOG #
AAA16053

REACTIVITY
Mouse

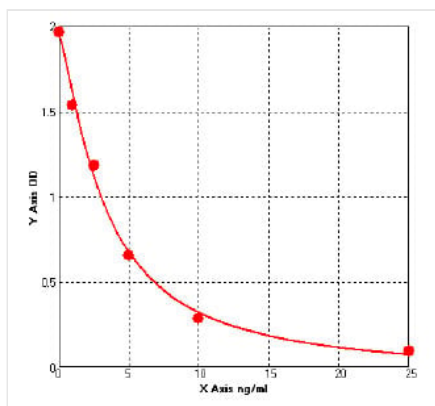
PRODUCT SYNONYMS

Dihydropyrimidine Dehydrogenase; Mouse Dihydropyrimidine Dehydrogenase ELISA Kit; DPYD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of DPD. No significant cross-reactivity or interference between DPD and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DPD and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DPYD elisa kit	Principle of the Assay: DPD ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-DPD antibody and an DPD-HRP conjugate. The assay sample and buffer are incubated together with DPD-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the DPD concentration since DPD from samples and DPD-HRP conjugate compete for the anti-DPD antibody binding site. Since the number of sites is limited, as more sites are occupied by DPD from the sample, fewer sites are left to bind DPD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DPD concentration in each sample is interpolated from this standard curve. Intended Uses: This DPD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse DPD. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for DPYD elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	693912
NCBI GeneID	1806
Molecular Weight	18,936 Da
NCBI Official Full Name	dihydropyrimidine dehydrogenase
NCBI Official Synonym Full Names	dihydropyrimidine dehydrogenase
NCBI Official Symbol	DPYD
NCBI Official Synonym Symbols	DHP; DPD; DHPDHASE
NCBI Protein Information	dihydropyrimidine dehydrogenase [NADP(+)]; dihydropyrimidine dehydrogenase [NADP(+)]; dihydrouracil dehydrogenase; dihydrothymine dehydrogenase
UniProt Protein Name	Dihydropyrimidine dehydrogenase [NADP(+)]
UniProt Gene Name	DPYD
UniProt Synonym Gene Names	DHPDHase; DPD
UniProt Entry Name	DPYD_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/dpyd-mouse-elisa-kits/dihydropyrimidine-dehydrogenase/16053>