

Chicken Dihydropyrimidine Dehydrogenase ELISA Kit | DPYD elisa kit

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CATALOG #
AAA91472

REACTIVITY
Chicken

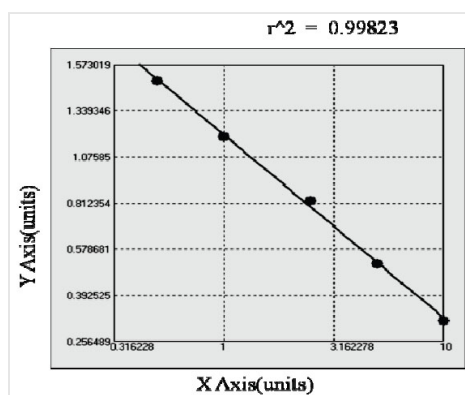
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This DPYD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken DPYD. This ELISA kit for research use only, not for therapeutic applications!
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: DPYD ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-DPYD antibody and an DPYD-HRP conjugate. The assay sample and buffer are incubated together with DPYD-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 DPYD concentration since DPYD from samples and DPYD-HRP conjugate compete for the anti-DPYD antibody binding site. Since the number of sites is limited, as more sites are occupied by DPYD from the sample, fewer sites are left to bind DPYD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DPYD concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	693912
NCBI GeneID	1806
UniProt Accession #	Q12882; Q16694; Q16761; Q96TH1; A2RRQ2; A2RRQ3; A8K5A2; A8MWG9; B1AN21; Q32NB0; Q96HL6
Molecular Weight	111,401 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://www.aaabiotech.com/dpyd-chicken-elisa-kits/dihydropyrimidine-dehydrogenase/91472>