

Human deoxypyridinoline, DPD ELISA Kit | DPD elisa kit

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CATALOG #
AAA15276

REACTIVITY
Human

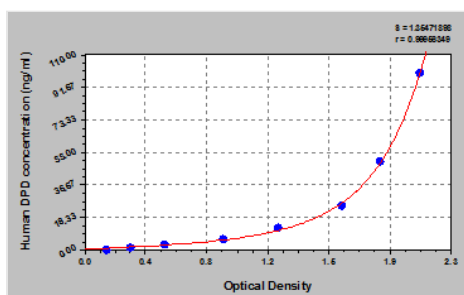
PRODUCT SYNONYMS

deoxypyridinoline; DPD; Human deoxypyridinoline; DPD ELISA Kit; DPD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human DPD. No significant cross-reactivity or interference between human DPD and analogues was observed.
Sequence Length	1025
Assay Type	Quantitative Sandwich
Samples	Serum, urine, cell culture supernates, tissue homogenates
Detection Range	1.56 ng/ml-100 ng/ml
Sensitivity	< 0.39 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DPD elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for DPD has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any DPD present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DPD is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of DPD bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13591940
NCBI GeneID	81656
NCBI Accession #	NP_112289.1
NCBI GenBank Nucleotide #	NM_031027.1
UniProt Accession #	O89000
Molecular Weight	111,468 Da
NCBI Official Full Name	dihydropyrimidine dehydrogenase
NCBI Official Synonym Full Names	dihydropyrimidine dehydrogenase
NCBI Official Symbol	Dpyd
NCBI Protein Information	dihydropyrimidine dehydrogenase [NADP(+)]; dihydropyrimidine dehydrogenase [NADP(+)]; DPD; DHPDHase; dihydrouracil dehydrogenase; dihydrothymine dehydrogenase
UniProt Protein Name	Dihydropyrimidine dehydrogenase [NADP(+)]
UniProt Gene Name	Dpyd
UniProt Synonym Gene Names	DPD; DHPDHase; DPD
UniProt Entry Name	DPYD_RAT

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.