

Rat Dihydropteridine reductase (QDPR) ELISA Kit | QDPR elisa kit

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CATALOG #
AAA246483

REACTIVITY
Rat

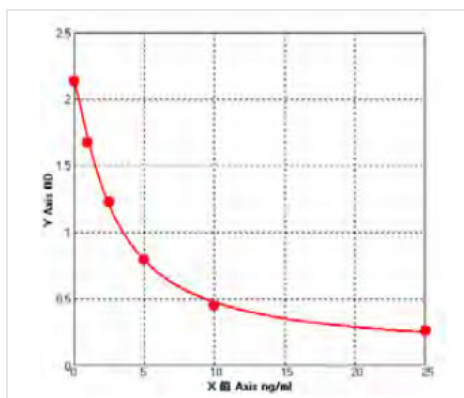
PRODUCT SYNONYMS

Dihydropteridine reductase (QDPR); Rat Dihydropteridine reductase (QDPR) ELISA Kit; QDPR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of QDPR. No significant cross-reactivity or interference between QDPR and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between QDPR and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 QDPR elisa kit	Intended Uses: This QDPR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat QDPR. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: QDPR ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-QDPR antibody and an QDPR-HRP conjugate. The assay sample and buffer are incubated together with QDPR-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 QDPR concentration since QDPR from samples and QDPR-HRP conjugate compete for the anti-QDPR antibody binding site. Since the number of sites is limited, as more sites are occupied by QDPR from the sample, fewer sites are left to bind QDPR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The QDPR concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	208973246
NCBI GeneID	5860
NCBI Accession #	NP_000311.2
NCBI GenBank Nucleotide #	NM_000320.2
Molecular Weight	22,408 Da
NCBI Official Full Name	dihydropteridine reductase
NCBI Official Synonym Full Names	quinoid dihydropteridine reductase
NCBI Official Symbol	QDPR
NCBI Official Synonym Symbols	DHPR; PKU2; SDR33C1
NCBI Protein Information	dihydropteridine reductase; HDHPR; 6,7-dihydropteridine reductase; short chain dehydrogenase/reductase family 33C, member 1
UniProt Protein Name	Dihydropteridine reductase
UniProt Gene Name	QDPR
UniProt Synonym Gene Names	DHPR
UniProt Entry Name	DHPR_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.