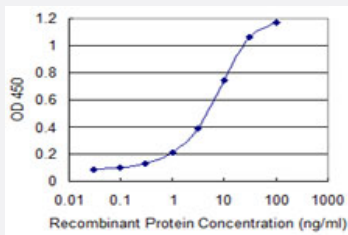


QDPR monoclonal antibody (M01), clone 2D4-1D3

Catalog # H00005860-M01

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged QDPR is 0.1 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant QDPR.
Immunogen	QDPR (AAH00576, 1 a.a. ~ 244 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAAAAAAGEARRVLVYGGRGALGSRVQAFRRNWWVASVDVVENEEASASIVKMTDSFTEQ ADQVTAIEVGKLLGEEKVDAILCVAGGWAGGNAKSKSLFKNCGLMWKQSMWTSTISSHLATKHLK EGLLTLGAKAALDGTGPMIGYGMAGAVHQLCQSLAGKNSGMPPGAAAIAVLPVTLDTMPNR KSMPEADFSSWTPLEFLVETFDHWITGKNRPSSGSLIQVVTTEGRTELTAYF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (95)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged QDPR is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — QDPR

Entrez GeneID	5860
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GeneBank Accession#	BC000576
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Protein Accession#	AAH00576
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Gene Name	QDPR
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Gene Alias	DHPR, FLJ42391, PKU2, SDR33C1
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Gene Description	quinoid dihydropteridine reductase
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Omim ID	261630
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Gene Ontology	Hyperlink
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Gene Summary	This gene encodes the enzyme dihydropteridine reductase, which catalyzes the NADH-mediated reduction of quinonoid dihydrobiopterin. This enzyme is an essential component of the pterin-dependent aromatic amino acid hydroxylating systems. Mutations in this gene resulting in QDPR deficiency include aberrant splicing, amino acid substitutions, insertions, or premature terminations. Dihydropteridine reductase deficiency presents as atypical phenylketonuria due to insufficient production of biopterin, a cofactor for phenylalanine hydroxylase. [provided by RefSeq]
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Other Designations	6,7-dihydropteridine reductase short chain dehydrogenase/reductase family 33C, member 1
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Pathway

- [Folate biosynthesis](#)
- [Metabolic pathways](#)

Disease

- [Anorexia Nervosa](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Dystonic Disorders](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)