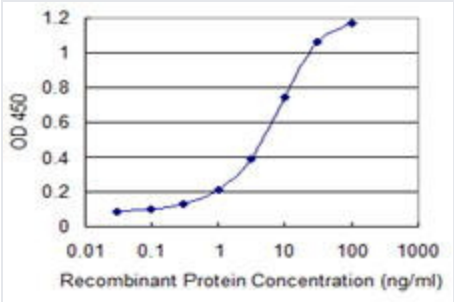
QDPR Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	QDPR, Monoclonal Antibody
Full Product Name	QDPR (Quinoid Dihydropteridine Reductase, DHPR, FLJ42391, PKU2, SDR33C1) (Biotin)
Product Gene Name	anti-QDPR antibody
Product Synonym Names	Quinoid Dihydropteridine Reductase; DHPR; FLJ42391; PKU2; SDR33C1
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2D4-1D3
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified
Specificity	Recognizes QDPR.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Immunogen	QDPR (AAH00576, 1aa-244aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Conjugate	Biotin
Product Categories/Family for anti-QDPR antibody	Antibodies; Enzymes; Reductase
Applications Tested/Suitable for anti-QDPR antibody	ELISA (EIA)
Application Notes for anti-QDPR antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-QDPR antibody	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]
Other Notes	Small volumes of anti-QDPR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for QDPR purchase	MBS6170527 is an antibody targeting QDPR. Also known as QDPR (Quinoid Dihydropteridine Reductase, DHPR, FLJ42391, PKU2, SDR33C1) (Biotin). Host: Mouse.



Testing Data of anti-QDPR antibody
Detection limit for recombinant GST tagged QDPR is 0.1 ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for QDPR. It may not necessarily be applicable to this product.

NCBI GI #	12653601
NCBI GeneID	5860
NCBI Accession #	AAH00576
UniProt Related Accession #	P09417
NCBI Official Full Name	QDPR protein
NCBI Official Synonym Full Names	quinoid dihydropteridine reductase
NCBI Official Symbol	QDPR
NCBI Official Synonym Symbols	DHPR; PKU2; HDHPR; SDR33C1
Protein Family	Dihydropteridine reductase
NCBI Protein Information	dihydropteridine reductase
Research Articles on QDPR	**1.** show for the first time statistically significant up regulation of iNOS in QDPR overexpressing astrocytes. Increased expression of iNOS associated with astrocyte pathology seen in many neurodegenerative disorders may have implications in autoimmune neurodegenerative disorders.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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