DHRS2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	DHRS2, Monoclonal Antibody
Full Product Name	DHRS2 (Dehydrogenase/Reductase SDR Family Member 2, Dicarbonyl Reductase HEP27, Protein D) (MaxLight 490)
Product Gene Name	anti-DHRS2 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1F10
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human DHRS2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	31,496 Da
3D Structure	ModBase 3D Structure for Q13268
Immunogen	Partial recombinant corresponding to aa229-300 from DHRS2 (NP_878912) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	GFMGMSLSGRTSRNIISCRGLGSQRTVQESCPSCALQMPATSTGRTLRWQATPLGSERSGGGCVAVVPGPGA
Conjugate	MaxLight490
Product Categories/Family for anti-DHRS2 antibody	Antibodies; Enzymes; Dehydrogenase
Applications Tested/Suitable for anti-DHRS2 antibody	FLISA, Western Blot (WB)
Application Notes for anti-DHRS2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-DHRS2 antibody	DHRS2 displays NADPH-dependent dicarbonyl reductase activity in vitro with 3,4-Hexanedione, 2,3-Heptanedione and 1-Phenyl-1,2-propanedione as substrates. DHRS2 do not reductase activity is displayed in vitro with steroids, retinoids and sugars as substrates. This protein may inhibit cell replication.
Other Notes	Small volumes of anti-DHRS2 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 DHRS2 purchase	MBS6200467 is an antibody targeting DHRS2. Also known as DHRS2 (Dehydrogenase/Reductase SDR Family Member 2, Dicarbonyl Reductase HEP27, Protein D) (MaxLight 490). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DHRS2. It may not necessarily be applicable to this product.

NCBI GI #	33667109
NCBI GeneID	10202
NCBI Accession #	NP_878912
UniProt Primary Accession #	Q13268
UniProt Secondary Accession #	Q53GS4; Q7Z789; Q9H2R2; D3DS54
UniProt Related Accession #	Q13268
GenBank Nucleotide #	NM_182908
NCBI Official Full Name	dehydrogenase/reductase SDR family member 2, mitochondrial isoform 1
NCBI Official Synonym Full Names	dehydrogenase/reductase (SDR family) member 2
NCBI Official Symbol	DHRS2
NCBI Official Synonym Symbols	HEP27; SDR25C1
UniProt Protein Name	Dehydrogenase/reductase SDR family member 2
UniProt Synonym Protein Names	Dicarbonyl reductase HEP27; Protein D
Protein Family	Dehydrogenase/reductase SDR family
UniProt Gene Name	DHRS2
UniProt Entry Name	DHRS2_HUMAN
NCBI Protein Information	dehydrogenase/reductase SDR family member 2, mitochondrial; dehydrogenase/reductase member 2; dicarbonyl reductase HEP27; protein D; short chain dehydrogenase/reductase family 25C, member 1; short-chain alcohol dehydrogenase family member
UniProt Comments for DHRS2	DHRS2: Displays NADPH-dependent dicarbonyl reductase activity in vitro with 3,4-Hexanedione, 2,3-Heptanedione and 1-Phenyl-1,2- propanedione as substrates. No reductase activity is displayed in vitro with steroids, retinoids and sugars as substrates. May inhibit cell replication. Belongs to the short-chain dehydrogenases/reductases (SDR) family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: EC 1.1.1.-; Oxidoreductase; EC 1.1.-.- Chromosomal Location of Human Ortholog: 14q11.2 Cellular Component: mitochondrion; mitochondrial matrix; cytoplasm; nuclear envelope; nucleus Molecular Function: carbonyl reductase (NADPH) activity Biological Process: negative regulation of cell proliferation; response to toxin; C21-steroid hormone metabolic process; myeloid dendritic cell differentiation; negative regulation of apoptosis
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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