DLD Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	DLD, Monoclonal Antibody
Full Product Name	DLD (Dihydrolipoyl Dehydrogenase, Mitochondrial, Dihydrolipoamide Dehydrogenase, Glycine Cleavage System L Protein, GCSL, LAD, PHE3) (MaxLi
Product Gene Name	anti-DLD antibody
Clonality	Monoclonal
Isotype	IgG3,k
Clone Number	3C1
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human DLD.
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 amo
Immunogen	Full length recombinant corresponding to aa1-509 from human DLD (AAH18696) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MQSWSRVYCSLAKRGHFNRISHGLQGLSAVPLRTYADQPIDADVTVIGSGPGGYVAAIKAAQLGFKTVCIEKNETLGGTCLNVGCIPSKALLNNSHYYHMA
Conjugate	MaxLight550
Product Categories/Family for anti-DLD antibody	Antibodies; Enzymes; Dehydrogenase
Applications Tested/Suitable for anti-DLD antibody	FLISA, Immunohistochemistry (IHC) Paraffin, Western Blot (WB)
Application Notes for anti-DLD antibody	IHC-P: 3ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-DLD antibody	MBS6211158 is an antibody targeting DLD. Also known as DLD (Dihydrolipoyl Dehydrogenase, Mitochondrial, Dihydrolipoamide Dehydrogenase, Glyc
Product References and Citations for anti-DLD antibody	1. Quantitative Analysis of HIV-1 Infected CD4+ Cell Proteome: Dysregulated Cell Cycle Progression and Nuclear Transport Coincide with Robust Virus
Other Notes	Small volumes of anti-DLD antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessar

ADDITIONAL DETAILS

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

NCBI GI #	33990946
NCBI GeneID	1738
NCBI Accession #	BC018696
NCBI Related Accession #	AAH18696
UniProt Related Accession #	P09622
NCBI Official Full Name	Homo sapiens dihydrolipoamide dehydrogenase, mRNA
NCBI Official Synonym Full Names	dihydrolipoamide dehydrogenase
NCBI Official Symbol	DLD
NCBI Official Synonym Symbols	E3; LAD; DLDD; DLDH; GCSL; PHE3
Protein Family	D-lactate dehydrogenase
NCBI Protein Information	dihydrolipoyl dehydrogenase, mitochondrial
NCBI Summary for DLD	This gene encodes a member of the class-I pyridine nucleotide-disulfide oxidoreductase family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. In homodimeric form, the encoded protein functions as a dehydrogenase and is found in several multi-enzyme complexes that regulate energy metabolism. However, as a monomer, this protein can function as a protease. Mutations in this gene have been identified in patients with E3-deficient maple syrup urine disease and lipoamide dehydrogenase deficiency. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]
Research Articles on DLD	**1.** Molecular characterization of dihydrolipoamide dehydrogenase binding sites to titanium dioxide has been reported.
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