# Mouse DLD Monoclonal Antibody | anti-DLD antibody

DLD antibody

| CATALOG # | HOST | APPLICATIONS |
|---|---|---|
| **AAA106271** | **Mouse** | **Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay** |

## PRODUCT SYNONYMS

DLD; Monoclonal Antibody; DLD antibody; Monoclonal DLD; Anti-DLD; Dihydrolipoamide Dehydrogenase; DLDH; E3; GCSL; LAD; PHE3; anti-DLD antibody

## PRODUCT SPECIFICATIONS

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|---|---|
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | IgG1 |
| **Clone Number** | 6G6 |
| **Purity/Purification** | DLD antibody was purified by affinity chromatography. |
| **Form/Format** | Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| **Concentration** | 500 ug-1 mg/ml (varies by lot) |
| **Sequence Length** | 509 |
| **Applicable Applications for anti-DLD antibody** | WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry) |
| **Biological Significance** | DLD is the L protein of the mitochondrial glycine cleavage system. The L protein, also named dihydrolipoamide dehydrogenase, is also a component of the pyruvate dehydrogenase complex, the alpha-ketoglutarate dehydrogenase complex, and the branched-chain alpha-keto acide dehydrogenase complex. Mutations in this gene have been identified in patients with E3-deficient maple syrup urine disease and lipoamide dehydrogenase deficiency. |
| **Cross-Reactivity** | Human |
| **Immunogen** | DLD antibody was raised in mouse using a full length recombinant protein of human DLD (NP_000099) produced in HEK293T cells, as the immunogen. |
| **Preparation and Storage** | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles. |

## IMAGES

**IF (Immunofluorescence)**
Immunofluorescent staining of COS7 cells transiently transfected with recombinant DLD protein using DLD antibody

**WB (Western Blot)**
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant DLD protein (Right) or empty vector (Left) detected with DLD antibody

## ADDITIONAL INFORMATION

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|---|---|
| **Related Product Information for anti-DLD antibody** | Mouse monoclonal DLD antibody |

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| **Product Categories/Family for anti-DLD antibody** | Proteases; Inhibitors; & Enzymes |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 91199540 |
| **NCBI GeneID** | 1738 |
| **NCBI Accession #** | NP_000099 |
| **NCBI GenBank Nucleotide #** | NM_000108.3 |
| **UniProt Accession #** | P09622; Q14131; Q14167; Q59EV8; Q8WTS4; B2R5X0; B4DHG0; B4DT69 |
| **Molecular Weight** | 49,283 Da |
| **NCBI Official Full Name** | dihydrolipoyl dehydrogenase, mitochondrial isoform 1 |
| **NCBI Official Synonym Full Names** | dihydrolipoamide dehydrogenase |
| **NCBI Official Symbol** | DLD |
| **NCBI Official Synonym Symbols** | E3; LAD; DLDD; DLDH; GCSL; PHE3 |
| **NCBI Protein Information** | dihydrolipoyl dehydrogenase, mitochondrial |
| **UniProt Protein Name** | Dihydrolipoyl dehydrogenase, mitochondrial |
| **UniProt Gene Name** | **DLD** |
| **UniProt Synonym Gene Names** | GCSL; LAD; PHE3 |
| **UniProt Entry Name** | DLDH_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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/dld-antibody-clone-6g6-western-blot-immunofluorescence-flow-cytometry-elisa/106271