

For Research Use Only

# CoraLite® Plus 488-conjugated DLD Monoclonal antibody



Catalog Number: **CL488-67702**

## Basic Information

<b>Catalog Number:</b> CL488-67702	<b>GenBank Accession Number:</b> BC018696	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 1738	<b>CloneNo.:</b> 2E7G5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P09622	<b>Recommended Dilutions:</b> IF-P 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> dihydrolipoamide dehydrogenase	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG9680	<b>Calculated MW:</b> 509 aa, 54 kDa	

## Applications

<b>Tested Applications:</b> IF-P	<b>Positive Controls:</b> IF-P : human liver cancer tissue,
<b>Species Specificity:</b> Human, mouse, rat	

## Background Information

DLD(Dihydrolipoamide dehydrogenase, mitochondrial) is also named as GCSL, LAD, PHE3 and belongs to the class-I pyridine nucleotide-disulfide oxidoreductase family. It catalyzes the oxidation of dihydrolipoamide, hE3 uses two molecules : non-covalently bound FAD and a transiently bound substrate, NAD<sup>+</sup>. DLD is involved in the hyperactivation of spermatazoa during capacitation and in the spermatazoal acrosome reaction.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:

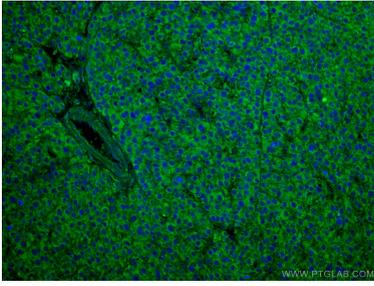
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

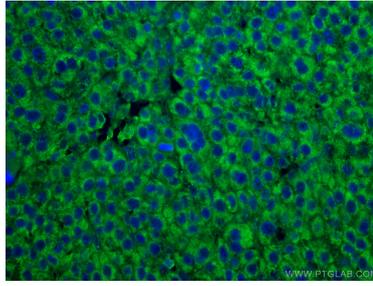
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using CoraLite® Plus 488 DLD antibody (CL488-67702, Clone: 2E7G5 ) at dilution of 1:200.



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