

For Research Use Only

# CoraLite®594-conjugated MDH1 Monoclonal antibody



Catalog Number: CL594-66505

Featured Product

## Basic Information

<b>Catalog Number:</b> CL594-66505	<b>GenBank Accession Number:</b> BC001484	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4190	<b>CloneNo.:</b> 1F9A2
<b>Source:</b> Mouse	<b>Full Name:</b> malate dehydrogenase 1, NAD (soluble)	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 334 aa, 36 kDa	<b>Excitation/Emission maxima wavelengths:</b> 594 nm / 615 nm
<b>Immunogen Catalog Number:</b> AG8744	<b>Observed MW:</b> 36-37 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : HepG2 cells,
<b>Species Specificity:</b> Human, mouse	

## Background Information

MDH1 (Malate dehydrogenase, cytoplasmic) is also named as MDHA and belongs to the LDH/MDH superfamily and MDH type 2 family which catalyzes the reversible oxidation of malate to oxaloacetate, utilizing the NAD/NADH cofactor system in the citric acid cycle. It can exist as a dimer and the dimeric MDH1 is the mitochondrial isoenzyme, whereas the tetrameric MDH2 is the glycosomal isoenzyme. (PMID:10693743)

## Storage

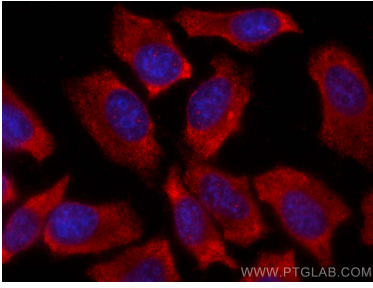
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite®594 MDH1 antibody (CL594-66505, Clone: 1F9A2 ) at dilution of 1:200.