

For Research Use Only

# CoraLite® Plus 488-conjugated DCTD Monoclonal antibody



Catalog Number:CL488-68357

## Basic Information

<b>Catalog Number:</b> CL488-68357	<b>GenBank Accession Number:</b> BC001286	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1635	<b>CloneNo.:</b> 3D2G12
<b>Source:</b> Mouse	<b>Full Name:</b> dCMP deaminase	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 178 aa, 20 kDa	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG10245	<b>Observed MW:</b> 18-20 kDa	

## Applications

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

## Background Information

DCTD(Deoxycytidylate deaminase) is also named as dCMP deaminase and belongs to the cytidine and deoxycytidylate deaminase family. It catalyzes the deamination of dCMP to dUMP, thus providing the nucleotide substrate for thymidylate synthase. Control of deaminase activity at this juncture in deoxyribonucleotide metabolism is determined by the ratio of dCTP to dTTP in the cell, since the enzyme is allosterically activated by dCTP and inhibited by dTTP(PMID:7685356). It has 2 isoforms produced by alternative splicing and can exist as a dimer(pMID:8798492).

## Storage

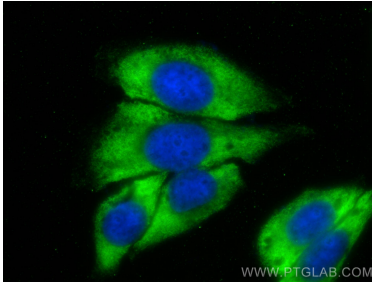
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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® Plus 488 DCTD antibody (CL488-68357, Clone: 3D2G12 ) at dilution of 1:100.