

For Research Use Only

# CoraLite® Plus 488-conjugated DCTD Polyclonal antibody



Catalog Number: **CL488-16784**

## Basic Information

Catalog Number:

CL488-16784

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10216

GenBank Accession Number:

BC001286

GeneID (NCBI):

1635

UNIPROT ID:

P32321

Full Name:

dCMP deaminase

Calculated MW:

178 aa, 20 kDa

Observed MW:

20 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HepG2 cells,

## 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

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

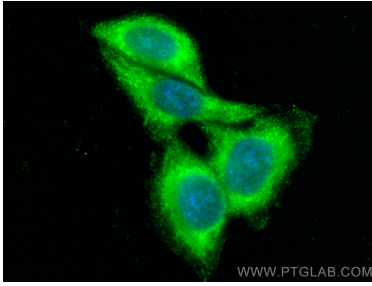
T: 4006900926

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

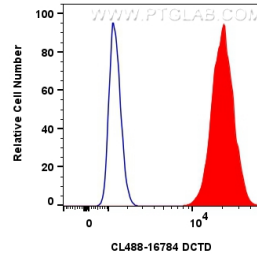
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 DCTD antibody (CL488-16784) at dilution of 1:200.



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 DCTD Polyclonal Antibody (CL488-16784)(red), or 0.8 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).