

For Research Use Only

CoraLite® Plus 488-conjugated DCTD Monoclonal antibody



Catalog Number: CL488-68357

Basic Information

Catalog Number:

CL488-68357

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG10245

GenBank Accession Number:

BC001286

GeneID (NCBI):

1635

UNIPROT ID:

P32321

Full Name:

dCMP deaminase

Calculated MW:

178 aa, 20 kDa

Observed MW:

18-20 kDa

Purification Method:

Protein G purification

CloneNo.:

3D2G12

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

Human

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:

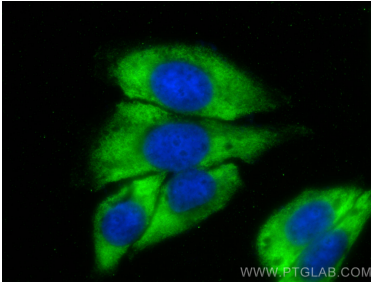
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.