

For Research Use Only

CoraLite® Plus 488-conjugated DCTD Monoclonal antibody

Catalog Number:CL488-68357



Basic Information

Catalog Number: CL488-68357	GenBank Accession Number: BC001286	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 1635	CloneNo.: 3D2G12
Source: Mouse	UNIPROT ID: P32321	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: dCMP deaminase	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG10245	Calculated MW: 178 aa, 20 kDa	
	Observed MW: 18-20 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: 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

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.