

For Research Use Only

CoraLite® Plus 488-conjugated MTHFD1 Recombinant monoclonal antibody

Catalog Number: CL488-84884-5



Basic Information

Catalog Number: CL488-84884-5	GenBank Accession Number: BC009806	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 4522	CloneNo.: 242388F1
Source: Rabbit	UNIPROT ID: P11586	Recommended Dilutions: IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: methylenetetrahydrofolate dehydrogenase (NADP+ dependent)	Excitation/Emission maxima wavelengths: 1,493 nm / 522 nm
Immunogen Catalog Number: AG1225	methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase	
	Calculated MW: 101 kDa	
	Observed MW: 101-110 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HEK-293 cells,
Species Specificity: human	

Background Information

MTHFD1 is a trifunctional enzyme involved in the pathway tetrahydrofolate interconversion, which is part of One-carbon metabolism. MTHFD1 is associated with HCC and CRC progression. It has been reported that MTHFD-deficient patient fibroblasts exhibit enriched MTHFD1 in the nucleus which is critical for de novo dTMP synthesis. (PMID: 31133746, 30997850, 31421459, 25548164)

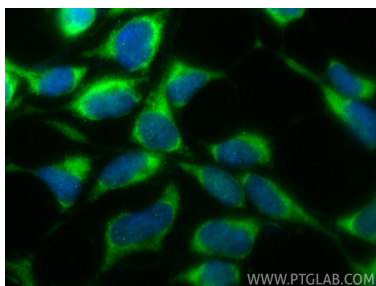
Storage

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, pH7.3
Aliquoting is unnecessary for -20°C storage

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 HEK-293 cells using CoraLite® Plus 488 MTHFD1 antibody (CL488-84884-5, Clone: 242388F1) at dilution of 1:200.