

For Research Use Only

CoraLite® Plus 488-conjugated NFS1 Monoclonal antibody



Catalog Number: CL488-67021

Featured Product

Basic Information

Catalog Number: CL488-67021	GenBank Accession Number: BC018471	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 9054	CloneNo.: 3A10A7
Source: Mouse	Full Name: NFS1 nitrogen fixation 1 homolog (S. cerevisiae)	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Calculated MW: 50 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG8017		

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : HeLa cells,
Species Specificity: Human, Mouse, Rat	

Background Information

NFS1(nitrogen fixation 1 homolog) is also named as NIFS, HUSSY-08 and belongs to the class-V pyridoxal-phosphate-dependent aminotransferase family. The protein has been identified as a pyridoxal phosphate-containing homodimer that catalyzes the formation of equimolar amounts of elemental sulfur and L-alanine from the substrate, L-cysteine. It is reported that NFS1 is also able to catalyze the removal of selenium from selenocysteine, a mechanism similar to the L-cysteine reaction was postulated(PMID:9812986). It has 2 isoforms produced by alternative initiation.

Storage

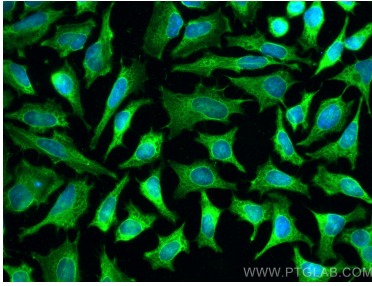
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

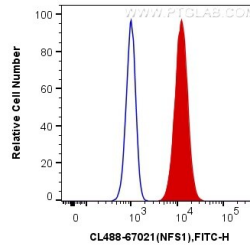
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 Methanol) fixed HeLa cells using Coralite® Plus 488 NFS1 antibody (CL488-67021, Clone: 3A10A7) at dilution of 1:200.



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug Coralite® Plus 488 Anti-Human NFS1 (CL488-67021, Clone:3A10A7) (red), or 0.4 ug x. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).