

For Research Use Only

CoraLite® Plus 488-conjugated CISD1 Monoclonal antibody



Catalog Number: CL488-68030

Basic Information

Catalog Number: CL488-68030	GenBank Accession Number: BC007043	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 55847	CloneNo.: 1D7E3
Source: Mouse	Full Name: CDGSH iron sulfur domain 1	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG1	Calculated MW: 108 aa, 12 kDa	
Immunogen Catalog Number: AG8560	Observed MW: 14-17 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human, mouse, rat, chicken, rabbit

Background Information

MitoNEET, also named CISD1, belongs to a previously uncharacterized ancient family of proteins for which the hallmark is the presence of a unique 39 amino acid CDGSH domain. It is a single-pass type III membrane protein, located in mitochondrion outer membrane and may play a role in regulating maximal capacity for electron transport and oxidative phosphorylation. MitoNEET is a recently identified drug target for a commonly prescribed diabetes drug, Pioglitazone. This antibody recognizing MitoNEET (calculated 12 kDa) as a 17 kDa protein may be due to its posttranslational modification or metal binding activity.

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.

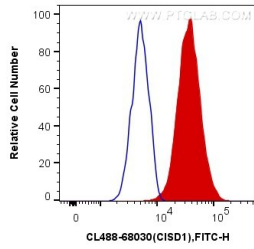
Aliquoting is unnecessary for -20°C storage

*** 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



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human CISD1 (CL488-68030, Clone:1D7E3) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).