

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: 1000 µg/ml	GeneID (NCBI): 55847	CloneNo.: 1D7E3
Source: Mouse	UNIPROT ID: Q9NZ45	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG1	Full Name: CDGSH iron sulfur domain 1	
Immunogen Catalog Number: AG8560	Calculated MW: 108 aa, 12 kDa	
	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

For technical support and original validation data for this product please contact:

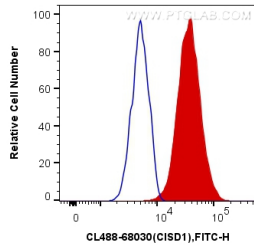
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



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).