

For Research Use Only

CoraLite® Plus 488-conjugated ERp72 Monoclonal antibody



Catalog Number: CL488-66365

Basic Information

Catalog Number: CL488-66365	GenBank Accession Number: BC000425	Purification Method: Protein G purification
Size: 813 µg/ml	GeneID (NCBI): 9601	CloneNo.: 1D5F3
Source: Mouse	UNIPROT ID: P13667	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Full Name: protein disulfide isomerase family A, member 4	Excitation/Emission maxima wavelenghts: 493 nm / 522 nm
Immunogen Catalog Number: AG6873	Calculated MW: 73 kDa	
	Observed MW: 72 kDa	

Applications

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

Background Information

PDIA4 (Protein disulfide-isomerase A4) is also named ERP70, ERP72, and belongs to the protein disulfide isomerase family. It catalyzes the rearrangement of -S-S- bonds in proteins. ERp72 is a soluble protein localized in the ER lumen and contains the COOH-terminal retention signal, KEEL. There are 6 cysteine residues in the amino acid sequences of mouse and human ERp72. All of the cysteine residues occur in the internal thioredoxin motif, CGHC (PMID:15475357). The full-length protein has a signal peptide with 20 amino acids.

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:

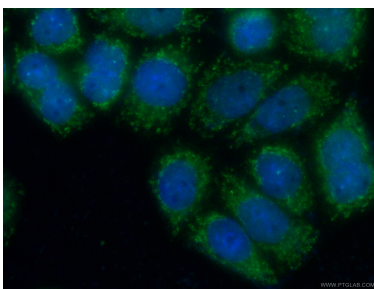
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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CL488-66365 (ERp72 antibody) at dilution of 1:100.