

# CoraLite® Plus 488-conjugated ERp72 Monoclonal antibody

Catalog Number: **CL488-66365**

## Basic Information

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

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : PC-3 cells,
<b>Species Specificity:</b> human	

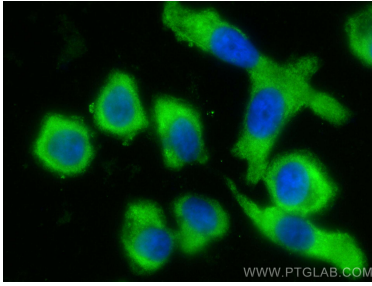
## Background Information

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**

## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-3 cells using CoraLite® Plus 488 ERp72 antibody (CL488-66365, Clone: 1D5F3 ) at dilution of 1:200.