

For Research Use Only

# CoraLite® Plus 488-conjugated ERp57/ERp60 Monoclonal antibody

Catalog Number: CL488-66423



## Basic Information

<b>Catalog Number:</b> CL488-66423	<b>GenBank Accession Number:</b> BC014433	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2923	<b>CloneNo.:</b> 3G4G7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P30101	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> protein disulfide isomerase family A, member 3	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG8741	<b>Calculated MW:</b> 505 aa, 57 kDa	
	<b>Observed MW:</b> 57 kDa, 60 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HEK-293 cells,
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

PDIA3, also named as P58, ER60, ERp57, ERp60, ERp61, GRP57, GRP58 and PI-PLC, is a member of the PDI family, participates in the oxidation, reduction, and isomerization of disulfide bonds for correct folding of secretory proteins before modification and transport in the endoplasmic reticulum. It is associated with apoptosis or inhibition of cancer cell growth. PDIA3 was once thought to be a phospholipase; however, it has been demonstrated that this protein actually has protein disulfide isomerase activity. It is thought that complexes of lectins and PDIA3 mediate protein folding by promoting formation of disulfide bonds in their glycoprotein substrates.

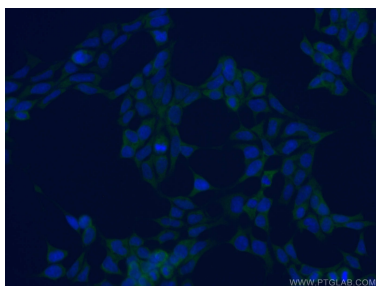
## Storage

**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 HEK-293 cells using CL488-66423  
(ERp57/ERp60 antibody) at dilution of 1:100.