

For Research Use Only

# CoraLite® Plus 488-conjugated PLDN Monoclonal antibody

Catalog Number:CL488-66558



## Basic Information

|   |   |   |
|---|---|---|
| <b>Catalog Number:</b><br>CL488-66558                             | <b>GenBank Accession Number:</b><br>BC004819  | <b>Purification Method:</b><br>Protein G purification                 |
| <b>Size:</b><br>100ul , Concentration: 1000 ug/ml by<br>Nanodrop; | <b>GeneID (NCBI):</b><br>26258                | <b>CloneNo.:</b><br>4F4C11  |
| <b>Source:</b><br>Mouse   | <b>UNIPROT ID:</b><br>Q9UL45                  | <b>Recommended Dilutions:</b><br>IF/ICC 1:50-1:500                    |
| <b>Isotype:</b><br>IgG1   | <b>Full Name:</b><br>pallidin homolog (mouse) | <b>Excitation/Emission maxima<br/>wavelengths:</b><br>493 nm / 522 nm |
| <b>Immunogen Catalog Number:</b><br>AG18095                       | <b>Calculated MW:</b><br>23-24 kDa            |   |
|   | <b>Observed MW:</b><br>26 kDa                 |   |

## Applications

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|--|--|
| <b>Tested Applications:</b><br>IF/ICC            | <b>Positive Controls:</b><br>IF/ICC : MCF-7 cells, |
| <b>Species Specificity:</b><br>Human, Mouse, Rat |  |

## Background Information

Pallidin, also named as PLDN and PA, is involved in the development of lysosome-related organelles, such as melanosomes and platelet-dense granules. It may play a role in intracellular vesicle trafficking, particularly in the vesicle-docking and fusion process. Pallidin interacts with syntaxin-12 which is a t-SNARE protein that mediates vesicle docking and fusion.

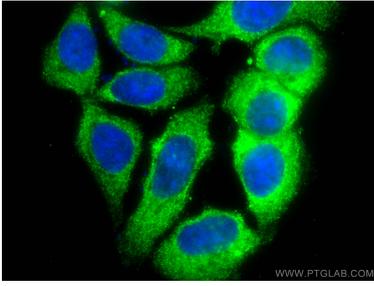
## Storage

**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:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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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



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using CoraLite® Plus 488 PLDN antibody (CL488-66558, Clone: 4F4C11) at dilution of 1:200.