

For Research Use Only

# CoraLite® Plus 488-conjugated KL Monoclonal antibody

Catalog Number:CL488-67331



## Basic Information

|   |   |   |
|---|---|---|
| <b>Catalog Number:</b><br>CL488-67331                             | <b>GenBank Accession Number:</b><br>NM_004795 | <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>9365                 | <b>CloneNo.:</b><br>4D1G11  |
| <b>Source:</b><br>Mouse   | <b>UNIPROT ID:</b><br>Q9UEF7                  | <b>Recommended Dilutions:</b><br>IF-P 1:50-1:500                      |
| <b>Isotype:</b><br>IgG1   | <b>Full Name:</b><br>klotho                   | <b>Excitation/Emission maxima<br/>wavelengths:</b><br>493 nm / 522 nm |
| <b>Immunogen Catalog Number:</b><br>AG27838                       | <b>Calculated MW:</b><br>116 kDa              |   |
|   | <b>Observed MW:</b><br>125-135 kDa            |   |

## Applications

|  |  |
|--|--|
| <b>Tested Applications:</b><br>IF-P, FC (Intra)  | <b>Positive Controls:</b><br>IF-P : mouse kidney tissue, |
| <b>Species Specificity:</b><br>human, mouse, rat |  |

## 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

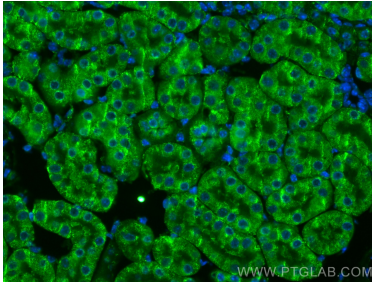
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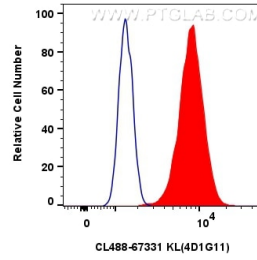
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse kidney tissue using CoraLite® Plus 488 KL antibody (CL488-67331, Clone: 4D1G11) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10<sup>6</sup> ACHN cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 KL Monoclonal Antibody (CL488-67331, Clone:4D1G11)(red), or 0.8 ug CoraLite® Plus 488 Mouse IgG1 Isotype Control (MOPC-21) (CL488-65124, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).