

# CoraLite<sup>®</sup> Plus 488-conjugated p115, USO1 Monoclonal antibody

Catalog Number: **CL488-68100**

## Basic Information

**Catalog Number:**

CL488-68100

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2b

**Immunogen Catalog Number:**

AG5543

**GenBank Accession Number:**

BC032654

**GeneID (NCBI):**

8615

**UNIPROT ID:**

O60763

**Full Name:**USO1 homolog, vesicle docking  
protein (yeast)**Calculated MW:**

962 aa, 108 kDa

**Observed MW:**

108 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

3B7D8

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

Human, Mouse, Rat

**Positive Controls:**

IF/ICC : HeLa cells,

## Background Information

p115, also known as USO1, TAP (transcytosis-associated protein) or VDP (vesicle docking protein) is a general vesicular transport factor and plays an important role at different steps of vesicular transport. It is a 962-residue peripheral membrane protein which recycles between the cytosol and the Golgi apparatus during interphase (PMID: 9478999). p115 forms stable homodimers (PMID: 19247479). Rab1 recruits p115 to coat protein complex II (COPII) vesicles during budding from the endoplasmic reticulum, where p115 interacts directly with a select set of SNARE proteins (PMID: 10903204). p115 is required for intra-Golgi transport, and also functions in endoplasmic reticulum to Golgi trafficking, Golgi biogenesis and exocytotic transport (PMID: 19247479).

## Storage

**Storage:**

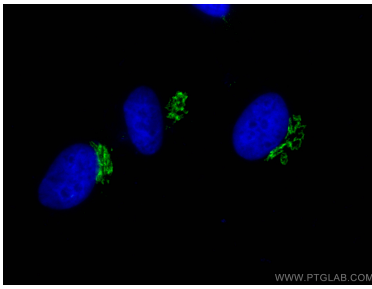
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**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 (4% PFA) fixed HeLa cells using CoraLite® Plus 488 p115, USO1 antibody (CL488-68100, Clone: 3B7D8 ) at dilution of 1:100.