# CoraLite® Plus 647-conjugated MTMR14 Monoclonal antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number: CL647-67561

## Basic Information

**Catalog Number:**
CL647-67561

**Size:**
100ul , Concentration: 1000 μg/ml by Nanodrop;

**Source:**
Mouse

**Isotype:**
IgG2b

**Immunogen Catalog Number:**
AG6883

**GenBank Accession Number:**
BC050626

**GeneID (NCBI):**
64419

**Full Name:**
myotubularin related protein 14

**Calculated MW:**
72 kDa

**Observed MW:**
74 kDa

**Purification Method:**
Protein A purification

**CloneNo.:**
1A8B2

**Recommended Dilutions:**
IF 1:50-1:500

**Excitation/Emission maxima wavelengths:**
654 nm / 674 nm

## Applications

**Tested Applications:**
IF

**Species Specificity:**
Human, mouse, rat

**Positive Controls:**
IF : HEK-293 cells,

## Background Information

MTMR14, also known as Jumpy, belongs to the MTM1/MTMRs family which has 15 members that divided into two subgroup: catalytically inactive and active. MTMR14 is a catalytically active member possessing an active phosphatase domain, that specifically dephosphorylates PI3P and phosphatidylinositol (3,5)-bisphosphate (PI3,5P2) at position 3 on inositol ring. A remarkable feature of the MTM1/MTMRs family is the association between a catalytically inactive member and a catalytically active member, which plays an important regulatory role. MTMR14 has 3 isoforms with molecular weight of 60-72 kDa, and also can be detected as a higher molecular weight due to the heterodimerization with other MTMR members.
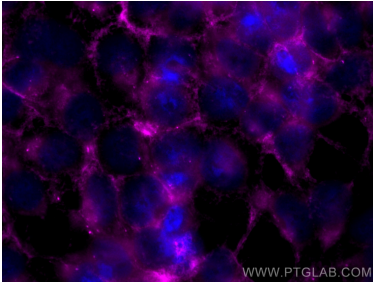
## Storage

**Storage:**
Store at -20℃. 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

**\*\*\* 20ul sizes contain 0.1% BSA**

## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using CoraLite® Plus 647 MTMR14 antibody (CL647-67561, Clone: 1A8B2 ) at dilution of 1:200.