

For Research Use Only

# CoraLite® Plus 647-conjugated PTPN14 Monoclonal antibody

Catalog Number: CL647-67744



## Basic Information

### Catalog Number:

CL647-67744

### Size:

100ul , Concentration: 1000 ug/ml by  
Nanodrop;

### Source:

Mouse

### Isotype:

IgG1

### Immunogen Catalog Number:

AG12679

### GenBank Accession Number:

BC101754

### GeneID (NCBI):

5784

### UNIPROT ID:

Q15678

### Full Name:

protein tyrosine phosphatase, non-  
receptor type 14

### Calculated MW:

1187 aa, 135 kDa

### Observed MW:

150 kDa

### Purification Method:

Protein G purification

### CloneNo.:

1B8C8

### Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

### Tested Applications:

FC (Intra)

### Species Specificity:

human

## Background Information

PTPN14 (tyrosine-protein phosphatase non-receptor type 14) is also named as PEZ and belongs to the protein-tyrosine phosphatase family and non-receptor class subfamily. It is a multi-domain protein expressed in breast, kidney, skeletal muscle, lung, placenta, and characterized by an N-terminal FERM domain and a C-terminal PTP domain with an intervening sequence containing an acidic region and a putative SH3 domain-binding sequence (PMID: 21701840). Defects in PTPN14 are a cause of choanal atresia and lymphedema (CHATLY).

## 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

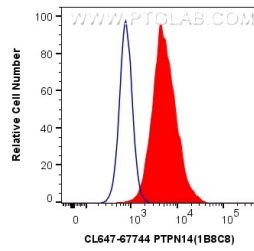
For technical support and original validation data for this product please contact:

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in USA), or 1(312) 455-8498 (outside USA)

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## Selected Validation Data



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 647 Anti-Human PTPN14 (CL647-67744, Clone:1B8C8) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).