

For Research Use Only

# CoraLite® Plus 647-conjugated PTPN14 Monoclonal antibody



Catalog Number: CL647-67744

## Basic Information

<b>Catalog Number:</b> CL647-67744	<b>GenBank Accession Number:</b> BC101754	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5784	<b>CloneNo.:</b> 1B8C8
<b>Source:</b> Mouse	<b>Full Name:</b> protein tyrosine phosphatase, non- receptor type 14	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 1187 aa, 135 kDa	
<b>Immunogen Catalog Number:</b> AG12679	<b>Observed MW:</b> 150 kDa	

## 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.

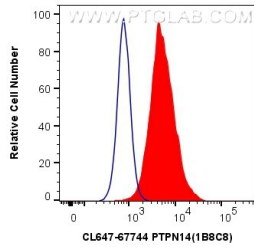
Aliquoting is unnecessary for -20°C storage

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

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  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## 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).