

For Research Use Only

# CoraLite® Plus 488-conjugated NUP50 Monoclonal antibody



Catalog Number: **CL488-67001**

## Basic Information

<b>Catalog Number:</b> CL488-67001	<b>GenBank Accession Number:</b> BC028125	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10762	<b>CloneNo.:</b> 1D5A7
<b>Source:</b> Mouse	<b>Full Name:</b> nucleoporin 50kDa	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 468 aa, 50 kDa	
<b>Immunogen Catalog Number:</b> AG15144	<b>Observed MW:</b> 50-55 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
Human

## Background Information

Nup50 (also known as Npap60) is a nucleoporin that binds directly to importin  $\alpha$  and their interaction plays an important role in nuclear import. Nup50 is a mobile nucleoporin localized primarily in the nuclear basket of the nuclear pore complex (NPC) and in the nucleoplasm. Human Nup50 has two isoforms: Npap60L (1-469 aa), and its alternatively spliced isoform, Npap60S (29-469 aa) of Npap60L.

## 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.

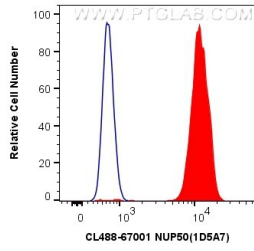
Aliquoting is unnecessary for -20°C storage

**\*\*\* 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](mailto:proteintech@ptglab.com) W: [ptglab.com](http://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> HL-60 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human NUP50 (CL488-67001, Clone:1D5A7) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).