

For Research Use Only

# CoraLite® Plus 647-conjugated Ki-67 Polyclonal antibody

Catalog Number: CL647-28074



## Basic Information

### Catalog Number:

CL647-28074

### Size:

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

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG27894

### GenBank Accession Number:

NM\_001081117

### GeneID (NCBI):

17345

### UNIPROT ID:

E9PVX6

### Full Name:

antigen identified by monoclonal  
antibody Ki 67

### Calculated MW:

351 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IF-P 1:50-1:500

IF/ICC 1:50-1:500

### Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

### Tested Applications:

IF/ICC, IF-P, FC (Intra)

### Species Specificity:

mouse

### Positive Controls:

IF-P : mouse colon tissue,

IF/ICC : HeLa cells,

## Background Information

The Ki-67 protein (also known as MKI67) is a cellular marker for proliferation. Ki67 is present during all active phases of the cell cycle (G1, S, G2 and M), but is absent in resting cells (G0). Cellular content of Ki-67 protein markedly increases during cell progression through S phase of the cell cycle. Therefore, the nuclear expression of Ki67 can be evaluated to assess tumor proliferation by immunohistochemistry.

## 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

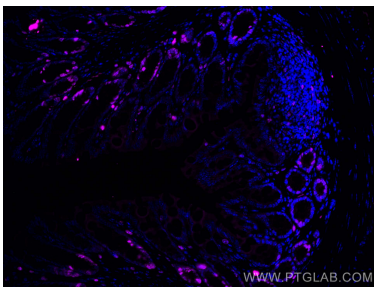
For technical support and original validation data for this product please contact:

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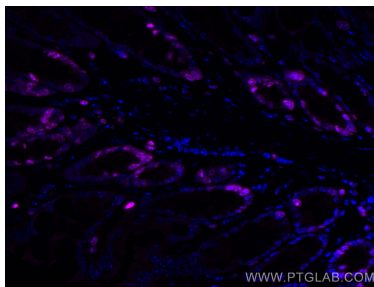
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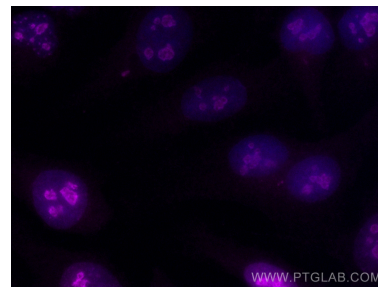
## Selected Validation Data



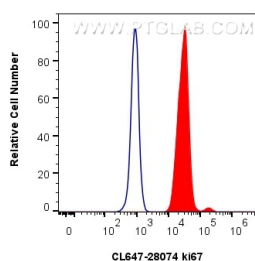
Immunofluorescent analysis of (4% PFA) fixed mouse colon tissue using CoraLite® Plus 647 ki67 antibody (CL647-28074) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed mouse colon tissue using CoraLite® Plus 647 ki67 antibody (CL647-28074) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 647 ki67 antibody (CL647-28074) at dilution of 1:200.



1x10<sup>6</sup> NIH/3T3 cells were intracellularly stained with 0.4 ug CoraLite® Plus 647-conjugated Ki-67 Polyclonal antibody (CL647-28074)(red), or 0.4 ug CoraLite® Plus 647-conjugated Rabbit IgG control Rabbit PolyAb (CL647-30000) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).