

For Research Use Only

# Ki-67 Monoclonal antibody

Catalog Number: 66555-6-Ig



## Basic Information

<b>Catalog Number:</b> 66555-6-Ig	<b>GenBank Accession Number:</b> NM_002417	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4288	<b>CloneNo.:</b> 1B9H2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P46013	<b>Recommended Dilutions:</b> IHC 1:2500-1:10000 IF/ICC 1:1000-1:4000
<b>Isotype:</b> IgG1	<b>Full Name:</b> antigen identified by monoclonal antibody Ki-67	
<b>Immunogen Catalog Number:</b> AG26266	<b>Calculated MW:</b> 359 kDa	

## Applications

### Tested Applications:

IHC, IF/ICC, ELISA

### Species Specificity:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

IHC : human tonsillitis tissue, human ovary cancer tissue, human rectal cancer tissue

IF/ICC : A431 cells, 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. It has been demonstrated to be of prognostic value in breast cancer. In head and neck cancer, several studies have reported an association between high proliferative activity and poorer prognosis.

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

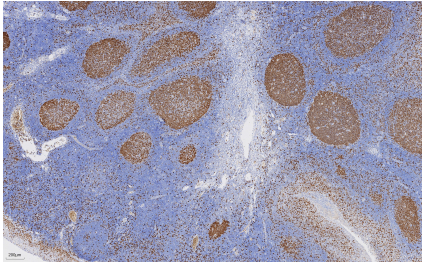
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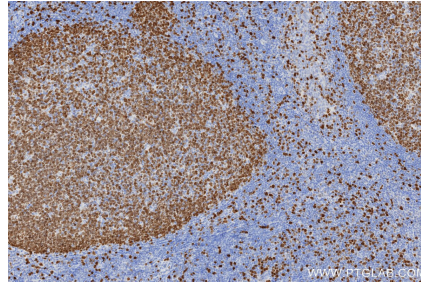
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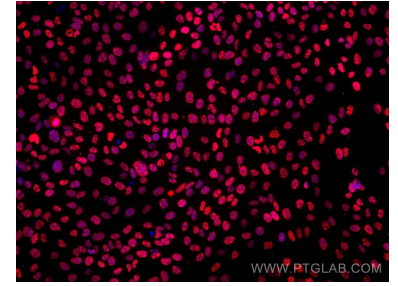
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66555-6-Ig (Ki-67 antibody) at dilution of 1:5000 (under 4x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66555-6-Ig (Ki-67 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using Ki-67 antibody (66555-6-Ig, Clone: 1B9H2) at dilution of 1:2000 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004).