

## 30-1075: Anti-Ki-67 Monoclonal Antibody (Clone:Ki-67)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	Ki-67
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	MKI67
<b>Gene ID :</b>	4288
<b>Uniprot ID :</b>	P46013
<b>Format :</b>	Purified
<b>Alternative Name :</b>	MKI67
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Nuclei of the Hodgkin lymphoma cell line L428

### Description

Ki-67 is a highly protease-sensitive nuclear protein expressed in two isoforms (345 kDa and 395 kDa), both of which are identified by the antibody clone Ki-67. The Ki-67 antigen is essential for cell proliferation and its expression is restricted to the cycling cells. It is detected in G1, S, G2 and M phase, whereas it is absent in cells which are in G0 phase and it is not associated with DNA repair processes. Ki-67 thus represents an important tool for detection of proliferating cells, which is of great importance in tumor diagnostics and is commonly used as a prognostic factor in cancer studies.

### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

### Application Note

Flow cytometry: Recommended dilution: 1-5 µg/ml. Intracellular staining.<br>Immunocytochemistry: Paraformaldehyde fixation; recommended antibody concentration 1 µg/ml.

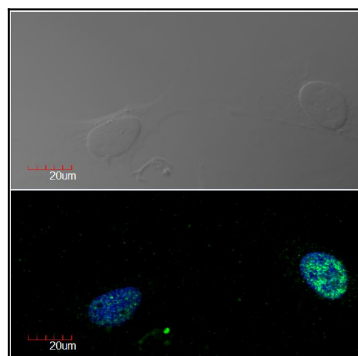


Figure 1: Immunocytochemistry detection of Ki-67 in U2OS cell line (human osteosarcoma) using monoclonal antibody Ki-67 (green). Cell nuclei stained with DAPI (blue).