

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

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

Clonality: Monoclonal

Clone Name: Ki-67 Application: **FACS** Reactivity: Human Gene: MKI67 Gene ID: 4288 **Uniprot ID:** P46013 Format: **Purified Alternative Name:** MKI67 Isotype: Mouse IgG1

Immunogen Information: 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

Amount: 0.1 mg

Purification : Purified by protein-A affinity chromatography

Storage condition : Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1-5 μ g/ml. Intracellular staining.

Flow cytometry: Paraformaldehyde fixation; recommended antibody concentration 1 μ g/ml.

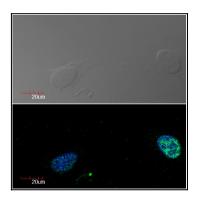


Figure 1: Immunocytochemistry detection of Ki-67 in U2OS cell line (human osteosarcoma) using monoclonal antibody Ki-67 (green). Cell nuclei stained with DAPI (blue).