Monoclonal Antibody to Ki-67
Purified Antibody (0.1 mg)

Clone: Ki-67
Isotype: Mouse IgG1
Specificity: The mouse monoclonal antibody Ki-67 recognizes Ki-67 antigen, a non-histone nuclear protein expressed exclusively in proliferating cells.
Regulatory Status: RUO
Immunogen: Nuclei of the Hodgkin lymphoma cell line L428
Species Reactivity: Human, Bovine
Application: Flow Cytometry, Intracellular staining, Western Blotting, Immunohistochemistry, Immunocytochemistry
Application note: paraformaldehyde fixation; recommended antibody concentration 1 µg/ml
Purity: > 95% (by SDS-PAGE)
Purification: Purified by protein-A affinity chromatography
Concentration: 1 mg/ml
Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability: Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration: See vial label
Lot Number: See vial label
Background: 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.
References:


*And many other.

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