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PRODUCT DATASHEET

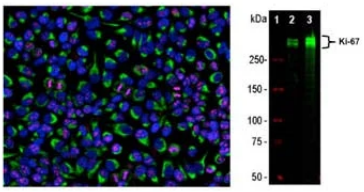
Anti-Ki-67 Antibody

Product Details

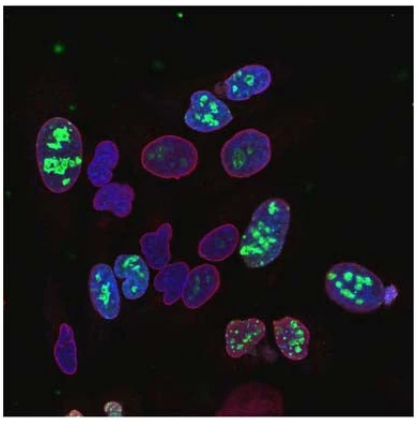
Available Variants	100 µg (SKU:M-1805-100)
Conjugate	Unconjugated
Isotype	IgG1
Clone	6B4
Host Species	Mouse
Format	Affinity-purified
Physical State	Lyophilized
Buffer	Lyophilized from PBS buffer pH 7.2-7.6 with 0.1% trehalose, and sodium azide.
Production Notes	Protein G purified
Applications	ICC, WB
Dilution Ranges	WB: 1:1000-1:5000 IHC: 1:2000-1:5000
Species Reactivity	Human
Immunogen	Recombinant human Ki-67 protein (amino acids 1,111-1,490) expressed in and purified from *E. coli.*
Specificity	Reacts with human only. Does not react with mouse or rat.
Storage	Spin vial briefly before opening. Reconstitute with 100 µL sterile-filtered, ultrapure water to achieve a 1 mg/mL concentration. Centrifuge to remove any insoluble material. Store lyophilized antibody at 2-8°C. After reconstitution divide into aliquots and store at -20°C for long-term storage. Store at 2-8°C short-term (up to 4 weeks) with an appropriate antibacterial agent. Avoid repetitive freeze/thaw cycles.
UniProt ID	P46013

Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images



Left: **Immunofluorescence** analysis of HeLa cells costained with mouse antibody to Ki-67 (1:2,000, red) and chicken antibody to vimentin (C-1409-50, 1:10,000, green). Ki-67 protein is predominantly localized in nucleoli of _cells in interphase, while in mitotic cells Ki-67 is associated with condensed chromosome. Ki-67 is not expressed in cells in quiescent G0 state. Blue: DAPI staining of nuclear DNA. Right: **Western blot** analysis of equal amounts of HeLa (Lane 2) and HEK293 (Lane 3) cell lysates probed with mouse antibody to Ki-67 (1:2,000, Lanes 2 and 3). Two bands above 250 kDa are observed, corresponding to major Ki-67 isoforms of molecular weight ~345 and 395 kDa.



Analysis of Ki67 expression (green) in cultured HeLa cells with mouse anti-Ki67 antibody by **Immunocytochemistry**. The nuclei of rapidly dividing cells have clumps of Ki67 associated with nucleoli, while nearby quiescent cells express little or no Ki67. Cells are counterstained with chicken anti-lamin A/C antibody (C-1698-100, red) which reveals the nuclear lamina. Blue: DAPI nuclear stain.