

## PE/Cyanine7 anti-mouse/human Ki-67 Antibody

<b>Catalog# / Size</b>	151217 / 25 µg 151218 / 100 µg
<b>Clone</b>	11F6
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	Mki67, Ki67, Ki-67, MIB-1, KIA
<b>Isotype</b>	Rat IgG2b, κ
<b>Description</b>	The nuclear protein Ki-67 was first identified by the monoclonal antibody Ki-67, which was generated by immunizing mice with nuclei of the L428 Hodgkin lymphoma cell line. Ki-67 protein plays an essential role in ribosomal RNA transcription and cell proliferation. Expression of Ki-67 occurs during G1, S, G2, and M phase. While in G0 phase, the Ki-67 protein is not detectable. Ki-67 is strongly expressed in proliferating cells and has been reported as a prognostic marker in various tumors.

### Product Details

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<b>Verified Reactivity</b>	Mouse, Human
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Immunogen</b>	<i>E. coli</i> expressed, N-terminal His-Thioredoxin-tagged, partial mKi-67 (1816-2163 aa) recombinant protein.
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with PE/Cyanine7 under optimal conditions.
<b>Concentration</b>	0.2 mg/mL
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">ICFC - Quality tested</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">intracellular immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Excitation Laser</b>	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
<b>RRID</b>	AB_2910305 (BioLegend Cat. No. 151217) AB_2910305 (BioLegend Cat. No. 151218)

### Antigen Details

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<b>Structure</b>	325 kD protein containing a forkhead-associated (FHA) domain and 13 tandem repeats.
<b>Distribution</b>	Nucleus and chromosomes.
<b>Function</b>	Required for cell cycle progression and proliferation.
<b>Biology Area</b>	Cell Biology, Cell Cycle/DNA Replication
<b>Antigen References</b>	

1. Starborg M, *et al.* 1996. *J. Cell. Sci.* 109:143.
2. Byeon IJ, *et al.* 2005. *Nat. Struct. Mol. Biol.* 12:987.
3. Yerushalmi R, *et al.* 2010. *Lancet. Oncol.* 11:174.
4. Beltrami AP, *et al.* 2001. *N. Engl. J. Med.* 344:1750.
5. Sachsenberg N, *et al.* 1998. *J. Exp. Med.* 187:1295.
6. Nagy Z, *et al.* 1997. *Acta. Neuropathol.* 93:294.

Gene ID [4288](#)  
[17345](#)

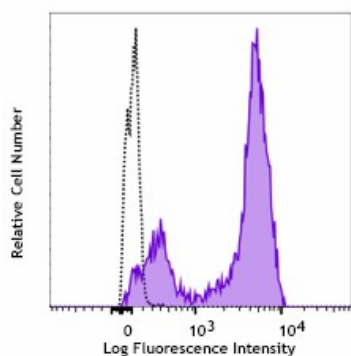
## Related Protocols

[Intracellular Flow Cytometry Staining Protocol](#)

## Other Formats

Purified anti-mouse/human Ki-67, Alexa Fluor® 488 anti-mouse/human Ki-67, Alexa Fluor® 647 anti-mouse/human Ki-67, Brilliant Violet 421™ anti-mouse/human Ki-67, PE anti-mouse/human Ki-67, Alexa Fluor® 594 anti-mouse/human Ki-67, FITC anti-mouse/human Ki-67, Brilliant Violet 650™ anti-mouse/human Ki-67, PE/Cyanine7 anti-mouse/human Ki-67, PE/Dazzle™ 594 anti-mouse/human Ki-67, PerCP/Cyanine5.5 anti-mouse/human Ki-67, Pacific Blue™ anti-mouse/human Ki-67

## Product Data



C57BL/6J splenocytes treated with ConA and IL-2 for 3 days were fixed, permeabilized with 70% ethanol, and stained with anti-mouse/human Ki-67 (clone 11F6) PE/Cyanine7 (filled histogram) or rat IgG2b,  $\kappa$  PE/Cyanine7 isotype control (open histogram).

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