

Ki-67 Monoclonal Antibody (SolA15), PE, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Dog, Cynomolgus Monkey, Human, Mouse, Non-human primate, Rat
Published Species	Rat, Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	SolA15
Conjugate	PE
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_11150954

Applications	Tested Dilution	Publications
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	1 Publication
Immunofluorescence (IF)	-	1 Publication
Flow Cytometry (Flow)	0.06 µg/test	27 Publications
Functional Assay (FN)	-	2 Publications

Product Specific Information

Description: The monoclonal antibody SolA15 recognizes mouse and rat Ki-67, a 300 kDa nuclear protein. Ki-67 is present during all active phases of the cell cycle (G1, S, G2, and mitosis), but is absent from resting cells (G0). Ki-67 is detected within the nucleus during interphase but redistributes to the chromosomes during mitosis. Ki-67 is used as a marker for determining the growth fraction of a given population of cells. In studies of tumor cells, the "Ki-67 labeling index" refers to the number of Ki-67 positive cells within the population and this is used to predict outcome of particular cancer types. Ki-67 has been shown to interact with the DNA-bound protein chromobox protein homolog 3 (CBX3) (heterochromatin).

The SolA15 antibody also recognizes human, non-human primate and canine Ki-67.

Applications Reported: This SolA15 antibody has been reported for use in flow cytometric analysis, and intracellular staining followed by flow cytometric analysis.

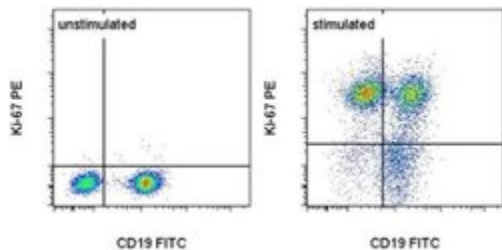
Applications Tested: This SolA15 antibody has been tested by intracellular staining and flow cytometric analysis of stimulated mouse splenocytes using the Foxp3/Transcription Factor Buffer Set (cat. 00-5523) and protocol. Please see Best Protocols

Section (Staining intracellular Antigens for Flow Cytometry) for staining protocol (refer to Protocol B: One-step protocol for intracellular (nuclear) proteins). This can be used at less than or equal to 0.06 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For Ki-67 Monoclonal Antibody (SoIA15), PE, eBioscience™



Ki-67 Antibody (12-5698-82) in Flow

C57Bl/6 splenocytes were unstimulated (left) or stimulated for 2 days with Anti-Mouse CD3 Functional Grade Purified (Product # 16-0031-82) (right). Cells were surface stained with Anti-Mouse CD19 FITC (Product # 11-0193-82) then fixed and permeabilized with the Foxp3 Staining Buffer Set (Product # 00-5523-00) and intracellularly stained with 0.03 µg of Anti-Mouse/Rat Ki-67 PE. Total viable cells, as determined by Fixable Viability Dye eFluor® 450 (Product # 65-0863-14), were used for analysis.

31 References

Immunohistochemistry (PFA fixed) (1)

eLife

Suppression of ischemia in arterial occlusive disease by JNK-promoted native collateral artery development.

"12-5698 was used in Immunofluorescence to investigate the role of the MLK-JNK signalling pathway in regulating protective mechanisms against ischemia in arterial occlusive disease."

Authors: Ramo K, Sugamura K, Craige S, Keaney JF, Davis RJ

Species
Mouse

Dilution
1:200

Year
2016

Immunofluorescence (1)

eLife

Suppression of ischemia in arterial occlusive disease by JNK-promoted native collateral artery development.

"12-5698 was used in Immunofluorescence to investigate the role of the MLK-JNK signalling pathway in regulating protective mechanisms against ischemia in arterial occlusive disease."

Authors: Ramo K, Sugamura K, Craige S, Keaney JF, Davis RJ

Species
Mouse

Dilution
1:200

Year
2016

Flow Cytometry (27)

Nature immunology

IL-1R signaling in dendritic cells replaces pattern-recognition receptors in promoting CD8 T cell responses to influenza A virus.

Authors: Pang IK, Ichinohe T, Iwasaki A

Species
Not Applicable

Dilution
Not Cited

Year
2013

PloS one

Programmed death 1 regulates memory phenotype CD4 T cell accumulation, inhibits expansion of the effector memory phenotype subset and modulates production of effector cytokines.

"12-5698 was used in Flow cytometry/Cell sorting to demonstrate that PD-1 has an important role in determining the composition and functional aspects of the memory phenotype CD4 T cell pool."

Authors: Charlton JJ, Tsoukatou D, Mamalaki C, Chatzidakis I

Species
Mouse

Dilution
Not Cited

Year
2016

[View more Flow references on thermofisher.com](#)

More applications with references on thermofisher.com

FN (2)

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