

Ki-67 Monoclonal Antibody (SolA15), Alexa Fluor 488, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Dog, Cynomolgus monkey, Human, Mouse, Non-human primate, Rat
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Alexa Fluor 488, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	SolA15
Conjugate	Alexa Fluor® 488
Form	Liquid
Concentration	0.5 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_2802330

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	16 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	17 Publications
Flow Cytometry (Flow)	0.25 µg/test	8 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.

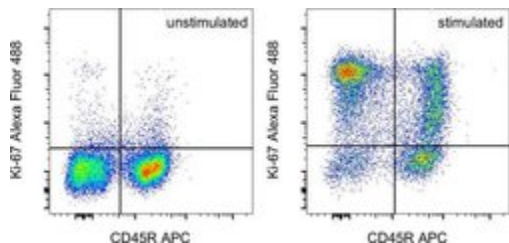
Applications Reported: This SolA15 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

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

Staining Protocol (refer to Protocol B: One-step protocol for intracellular (nuclear) proteins). This can be used at less than or equal to 0.25 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 nm; Emission: 519 nm; Laser: Blue Laser

Product Images For Ki-67 Monoclonal Antibody (SolA15), Alexa Fluor 488, eBioscience™



Ki-67 Antibody (53-5698-82) in Flow

BALB/c mouse splenocytes were unstimulated (left) or stimulated (right) for 2 days with CD3e Monoclonal Antibody, Functional Grade (Product # 16-0031-82) and then stained with CD45R (B220) Monoclonal Antibody, APC (Product # 17-0452-82) and 0.125 µg of Ki-67 Monoclonal Antibody, Alexa Fluor 488. Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Immunohistochemistry (16)

JCI insight

Delta-like 4 is required for pulmonary vascular arborization and alveolarization in the developing lung.

"Published figure using Ki-67 monoclonal antibody (Product # 53-5698-82) in Immunohistochemistry"

Authors: Xia S, Menden HL, Townley N, Mabry SM, Johnston J, Nyp MF, Heruth DP, Korfhagen T, Sampath V

Species
Not Applicable

Dilution
Not Cited

Year
2021

Cancers

Targeting Feedforward Loops Formed by Nuclear Receptor ROR and Kinase PBK in mCRPC with Hyperactive AR Signaling.

"Published figure using Ki-67 monoclonal antibody (Product # 53-5698-82) in Immunohistochemistry"

Authors: Zhang X, Huang Z, Wang J, Ma Z, Yang J, Corey E, Evans CP, Yu AM, Chen HW

Species
Not Applicable

Dilution
Not Cited

Year
2021

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

Immunohistochemistry (Paraffin) (1)

Frontiers in oncology

Radiation Induced Metabolic Alterations Associate With Tumor Aggressiveness and Poor Outcome in Glioblastoma.

"Published figure using Ki-67 monoclonal antibody (Product # 53-5698-82) in Immunocytochemistry"

Authors: Gupta K, Vuckovic I, Zhang S, Xiong Y, Carlson BL, Jacobs J, Olson I, Petterson XM, Macura SI, Sarkaria J, Burns TC

Species
Not Applicable

Dilution
Not Cited

Year
2020

Immunohistochemistry (PFA fixed) (1)

Life science alliance

CDCP1 promotes compensatory renal growth by integrating Src and Met signaling.

"Published figure using Ki-67 monoclonal antibody (Product # 53-5698-82) in Immunohistochemistry (PFA fixed)"

Authors: Kajiwara K, Yamano S, Aoki K, Okuzaki D, Matsumoto K, Okada M

Species
Not Applicable

Dilution
Not Cited

Year
2021

More applications with references on thermofisher.com

ICC/IF (17)

Flow (8)

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