

Ki-67 Monoclonal Antibody (SolA15), eFluor 506, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Dog, Cynomolgus monkey, Human, Mouse, Non-human primate, Rat
Published Species	Rat, Human, Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), eFluor 506, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	SolA15
Conjugate	eFluor® 506
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2637482

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	47 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	2 Publications
Immunocytochemistry (ICC/IF)	-	32 Publications
Flow Cytometry (Flow)	0.5 µg/test	42 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 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 Staining Buffer Set (cat. 00-5523) and protocol. Please refer to Best

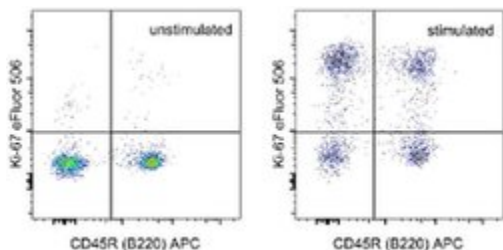
Protocols: Protocol B: One step protocol for (nuclear) intracellular proteins located under the Resources Tab online. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should 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.

eFluor® 506 can be excited with the violet laser line (405 nm) and emits at 506 nm. We recommend using a 510/20 band pass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 405 nm; Emission: 506 nm; Laser: Violet Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For Ki-67 Monoclonal Antibody (SoIA15), eFluor 506, eBioscience™



Ki-67 Antibody (69-5698-82) in Flow

Mouse splenocytes were unstimulated (left) or stimulated for 2 days with Anti-Mouse CD3e Functional Grade Purified (Product # 16-0031-82) (right). Cells were surface stained with Anti-Human/Mouse CD45R (B220) APC (Product # 17-0452-82) then fixed and permeabilized with the Foxp3/Transcription Factor Staining Buffer Set (Product # 00-5523-00) and intracellularly stained with 0.25 µg of Anti-Mouse/Rat Ki-67 eFluor® 506. Total viable cells, as determined by Fixable Viability Dye eFluor® 780 (Product # 65-0865-14), were used for analysis.

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

Immunohistochemistry (47)

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 # 69-5698-82) 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

Cytotechnology

MicroRNA-384 inhibits nasopharyngeal carcinoma growth and metastasis via binding to Smad5 and suppressing the Wnt/-catenin axis.

"Published figure using Ki-67 monoclonal antibody (Product # 69-5698-82) in Immunohistochemistry"

Authors: Zeng X, Liao H, Wang F

Species
Not Applicable

Dilution
Not Cited

Year
2021

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

Immunohistochemistry (Paraffin) (2)

Frontiers in oncology

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

"Published figure using Ki-67 monoclonal antibody (Product # 69-5698-82) 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

Journal of translational medicine

Selective pharmacological inhibition of DDR1 prevents experimentally-induced glomerulonephritis in prevention and therapeutic regime.

"Published figure using Ki-67 monoclonal antibody (Product # 69-5698-82) in Immunohistochemistry (Paraffin)"

Authors: Moll S, Yasui Y, Abed A, Murata T, Shimada H, Maeda A, Fukushima N, Kanamori M, Uhles S, Badi L, Cagarelli T, Formentini I, Drawnel F, Georges G, Bergauer T, Gasser R, Bonfil RD, Fridman R, Richter H, Funk J, Moeller MJ, Chatziantoniou C, Prunotto M

Species
Not Applicable

Dilution
Not Cited

Year
2018

More applications with references on thermofisher.com

ICC/IF (32)

Flow (42)

FN (2)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.