

# Ki-67 Monoclonal Antibody (SolA15), APC, eBioscience™

## Product Details

Size	100 µg
Species Reactivity	Dog, Cynomolgus monkey, Human, Mouse, Non-human primate, Rat
Published Species	Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	SolA15
Conjugate	APC
Excitation/Emission Max	651/660 nm
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_2688057

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	0.06 µg	24 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.

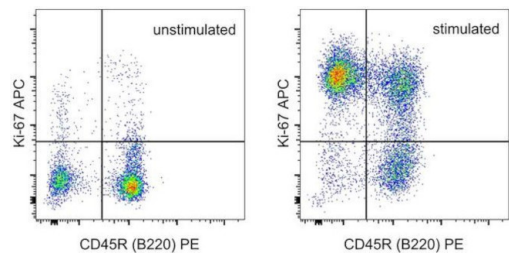
**Applications Reported:** This SolA15 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

**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 antibody 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 10<sup>5</sup> to 10<sup>8</sup> cells /test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For Ki-67 Monoclonal Antibody (SolA15), APC, eBioscience™



**Ki-67 Antibody (17-5698-82) in Flow**  
Intracellular staining of mouse splenocytes unstimulated (left) or stimulated for 2 days with immobilized Anti-Mouse CD3 Functional Grade (Product # 16-0031-82) (right) with Anti-Human/Mouse CD45R (B220) PE (Product # 12-0452-82) and 0.03 µg of Anti-Mouse/Rat Ki-67 APC using the Foxp3/Transcription Factor Buffer Set (Product # 00-5523-00) and protocol. Total viable cells, as determined by Fixable Viability Dye eFluor® 450 (Product # 65-0863-14), were used for analysis.

View more figures on thermofisher.com

25 References

Immunohistochemistry (1)

Cell reports	Year 2022
<b>CXCR3 regulates stem and proliferative CD8+ T cells during chronic infection by promoting interactions with DCs in splenic bridging channels.</b>	Species Mouse
"17-5698-82 was used in Immunohistochemistry to observe distinct locations for parasite-specific T cell subsets, implying a link between differentiation and anatomical niches in the spleen."	
Authors: Bangs DJ,Tsitsiklis A,Steier Z,Chan SW,Kaminski J,Streets A,Yosef N,Robey EA	

Flow Cytometry (24)

Frontiers in immunology	Year 2023
<b>Transformation of primary murine peritoneal mast cells by constitutive KIT activation is accompanied by loss of <i>Cdkn2a/Arf</i> expression.</b>	
"Published figure using Ki-67 monoclonal antibody (Product # 17-5698-82) in Flow Cytometry"	
Authors: Capellmann S,Sonntag R,Schüler H,Meurer SK,Gan L,Kauffmann M,Horn K,Königs-Werner H,Weiskirchen R,Liedtke C,Huber M	

iScience	Year 2022
<b>The ectromelia virus virulence factor C15 facilitates early viral spread by inhibiting NK cell contact.</b>	Species Mouse
"17-5698-82 was used in Flow cytometry/Cell sorting to demonstrate by quantitative immunofluorescence imaging that C15 also limits contact between natural killer (NK) cells and infected cells in vivo."	
Authors: Peauroi EM,Carro SD,Pei L,Reynoso GV,Hickman HD,Eisenlohr LC	

View more Flow references on thermofisher.com

More applications with references on thermofisher.com

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.