

# Ki-67 Monoclonal Antibody (SolA15), Biotin, 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), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	SolA15
Conjugate	Biotin
Form	Liquid
Concentration	0.5 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_2572794

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunohistochemistry (IHC)	-	51 Publications
Immunohistochemistry (Paraffin) (IHC (P))	Assay-Dependent	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	-
Immunocytochemistry (ICC/IF)	5 µg/mL	31 Publications
Flow Cytometry (Flow)	0.125 µg/test	43 Publications
Functional Assay (FN)	-	1 Publication

## 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.

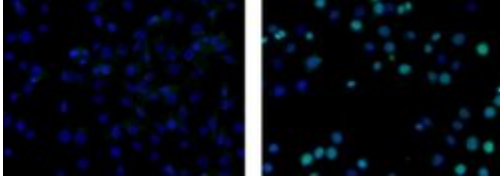
Applications Reported: This SolA15 antibody has been reported for use in intracellular staining followed by flow cytometric

analysis, immunohistochemical staining of frozen tissue sections, immunohistochemical staining of formalin-fixed paraffin embedded tissue sections, microscopy, and immunocytochemistry.

**Applications Tested:** This SolA15 antibody has been tested immunocytochemistry of fixed and permeabilized C2C12 cells and can be used at less than or equal to 5 µg/mL or intracellular staining and flow cytometric analysis of stimulated mouse splenocytes cells 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 0.125 µg per test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Filtration:** 0.2 µm post-manufacturing filtered.

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



### Ki-67 Antibody (13-5698-82) in ICC/IF

Immunocytochemistry of fixed and permeabilized C2C12 cells stained with 5 µg/mL of Rat IgG2a K Isotype Control Biotin (left) or 5 µg/mL of Anti-Mouse/Rat Ki-67 Biotin (right) followed by Streptavidin FITC. Nuclei are stained with DAPI, colocalization of signal with DAPI appears aqua.

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## Western Blot (1)

**eLife**  
**The cell proliferation antigen Ki-67 organises heterochromatin.**  
 "Published figure using Ki-67 monoclonal antibody (Product # 13-5698-82) in Flow Cytometry"  
 Authors: Sobecki M, Mrouj K, Camasses A, Parisis N, Nicolas E, Lières D, Gerbe F, Prieto S, Krasinska L, David A, Eguren M, Birling MC, Urbach S, Hem S, Déjardin J, Malumbres M, Jay P, Dulic V, Lafontaine DLJ, Feil R, Fisher D

**Species**  
 Human  
 Mouse

**Dilution**  
 Not Cited  
 Not Cited

**Year**  
 2016

## Immunohistochemistry (51)

**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 # 13-5698-82) 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 # 13-5698-82) 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) (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 # 13-5698-82) 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

## More applications with references on thermofisher.com

[ICC/IF \(31\)](#) [Flow \(43\)](#) [FN \(1\)](#)

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