

# Ki-67 Monoclonal Antibody (SolA15), eFluor 570, 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), eFluor 570, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	SolA15
Conjugate	eFluor® 570
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_11220285

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunohistochemistry (IHC)	-	54 Publications
Immunohistochemistry (Paraffin) (IHC (P))	Assay-Dependent	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	1 Publication
Immunocytochemistry (ICC/IF)	1 µg/mL	31 Publications
Flow Cytometry (Flow)	-	3 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 immunohistochemical staining of frozen tissue sections,

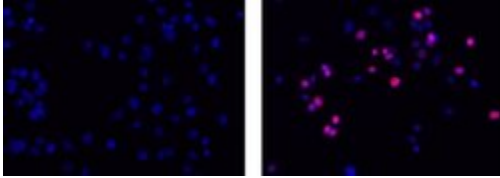
immunohistochemical staining of formalin-fixed paraffin embedded tissue sections, and immunocytochemistry.

**Applications Tested:** This SolA15 antibody has been tested immunocytochemistry on fixed and permeabilized C2C12 cells and can be used at less than or equal to 1 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Filter Recommendation:** When using this eFluor® 570 antibody conjugate, we recommend a filter that will capture the 570 emission wavelength (for example, Excitation 545/25, 565LP, Emission 605/70). A standard Alexa Fluor® 555 or TRITC filter is acceptable.

Excitation: 555 nm; Emission: 570 nm

### Product Images For Ki-67 Monoclonal Antibody (SolA15), eFluor 570, eBioscience™



#### **Ki-67 Antibody (41-5698-82) in ICC/IF**

Immunocytochemistry on fixed and permeabilized C2C12 cells using 1 µg/mL Rat IgG2a Isotype eFluor® 570 (left) or 1 µg/mL Anti-Mouse/Rat Ki-67 eFluor® 570 (right). Nuclei are stained with DAPI.

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## Western Blot (1)

**eLife**  
**The cell proliferation antigen Ki-67 organises heterochromatin.**  
 "Published figure using Ki-67 monoclonal antibody (Product # 41-5698-82) in Immunofluorescence"  
 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 (54)

**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 # 41-5698-82) 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

**Life science alliance**  
**CDCP1 promotes compensatory renal growth by integrating Src and Met signaling.**  
 "Published figure using Ki-67 monoclonal antibody (Product # 41-5698-82) in Immunohistochemistry"  
 Authors: Kajiwara K, Yamano S, Aoki K, Okuzaki D, Matsumoto K, Okada M

**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 # 41-5698-82) 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

[IHC \(F\) \(1\)](#) [ICC/IF \(31\)](#) [Flow \(3\)](#) [FN \(1\)](#)

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