

# 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	Artificial Control, 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)	-	22 Publications
Immunohistochemistry (Paraffin) (IHC (P))	Assay-Dependent	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	1 Publication
Immunocytochemistry (ICC)	1 µg/mL	4 Publications
Immunofluorescence (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.

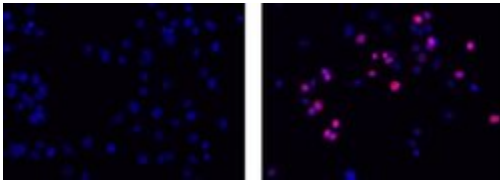
**Applications Reported:** This SolA15 antibody has been reported for use in immunohistochemical staining of frozen tissue sections, immunohistochemical staining of formalin-fixed paraffin embedded tissue sections, and immunocytochemistry.

**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

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.

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

## 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  
 Not Applicable

**Dilution**  
 Not Cited  
 Not Cited

**Year**  
 2016

## Immunohistochemistry (22)

**The Journal of experimental medicine**  
**Sensing of apoptotic cells through Axl causes lung basal cell proliferation in inflammatory diseases.**  
 "Published figure using Ki-67 monoclonal antibody (Product # 41-5698-82) in Immunofluorescence"  
 Authors: Fujino N, Brand OJ, Morgan DJ, Fujimori T, Grabiec AM, Jagger CP, Maciewicz RA, Yamada M, Itakura K, Sugiura H, Ichinose M, Hussell T

**Species**  
 Artificial Control

**Dilution**  
 Not Cited

**Year**  
 2019

**Developmental cell**  
**Defining Lineage Potential and Fate Behavior of Precursors during Pancreas Development.**  
 "Published figure using Ki-67 monoclonal antibody (Product # 41-5698-82) in Immunofluorescence"  
 Authors: Sznurkowska MK, Hannezo E, Azzarelli R, Rulands S, Nestorowa S, Hindley CJ, Nichols J, Göttgens B, Huch M, Philpott A, Simons BD

**Species**  
 Artificial Control

**Dilution**  
 Not Cited

**Year**  
 2018

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

## Immunohistochemistry (Paraffin) (1)

**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 # 41-5698-82) 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

IHC (F) (1) ICC (4) IF (31) Flow (3) FN (1)

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