

Ki-67 Monoclonal Antibody (SolA15), eFluor 615, 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 615, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	SolA15
Conjugate	eFluor® 615
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_11151153

Applications	Tested Dilution	Publications
Western Blot (WB)	-	2 Publications
Immunohistochemistry (IHC)	-	17 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	-
Immunocytochemistry (ICC)	-	4 Publications
Immunofluorescence (IF)	-	30 Publications
Flow Cytometry (Flow)	-	3 Publications
Functional Assay (FN)	-	1 Publication
Immunocytochemistry (ICC/IF)	0.5 µg/mL	-

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 immunocytochemistry and immunohistochemistry.

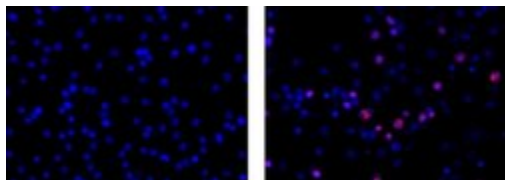
Applications Tested: This SolA15 antibody has been tested by immunocytochemistry on fixed and permeabilized C2C12 cells at less than or equal to 0.5 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest. This product has not been validated for flow cytometric analysis.

Filter Recommendation: When using this eFluor® 615 antibody conjugate, we recommend a filter that will capture the 615 emission wavelength. (for example Excitation 560/55, 585LP, Emission 645/75) A standard Alexa Fluor® 594 filter is acceptable.

Excitation: 595 nm; **Emission:** 615 nm.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For Ki-67 Monoclonal Antibody (SolA15), eFluor 615, eBioscience™



Ki-67 Antibody (42-5698-82) in ICC/IF

Immunocytochemistry on fixed and permeabilized C2C12 cells using 0.5 µg/mL Rat IgG2a K Isotype Control (left) or 0.5 µg/mL Anti-Mouse/Rat Ki-67 eFluor® 615 (right). Nuclei are stained with DAPI (blue). Co-expression of DAPI and Ki-67 appears pink.

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

Western Blot (2)

eLife

The cell proliferation antigen Ki-67 organises heterochromatin.

"Published figure using Ki-67 monoclonal antibody (Product # 42-5698-82) 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
Not Cited

Year

2016

Nature communications

NF-B-induced microRNA-31 promotes epidermal hyperplasia by repressing protein phosphatase 6 in psoriasis.

Authors: Yan S, Xu Z, Lou F, Zhang L, Ke F, Bai J, Liu Z, Liu J, Wang H, Zhu H, Sun Y, Cai W, Gao Y, Su B, Li Q, Yang X, Yu J, Lai Y, Yu XZ, Zheng Y, Shen N, Chin YE, Wang H

Species

Human
Mouse

Dilution

Not Cited
Not Cited

Year

2015

Immunohistochemistry (17)

Scientific reports

Whole Chromosome Instability induces senescence and promotes SASP.

"Published figure using Ki-67 monoclonal antibody (Product # 42-5698-82) in Immunofluorescence"

Authors: Andriani GA, Almeida VP, Faggioli F, Mauro M, Tsai WL, Santambrogio L, Maslov A, Gadina M, Campisi J, Vijg J, Montagna C

Species

Not Applicable

Dilution

Not Cited

Year

2016

International journal of cancer

JAK-STAT inhibition impairs K-RAS-driven lung adenocarcinoma progression.

"Published figure using Ki-67 monoclonal antibody (Product # 42-5698-82) in Immunohistochemistry"

Authors: Mohrherr J, Haber M, Breitenacker K, Aigner P, Moritsch S, Voronin V, Eferl R, Moriggl R, Stoiber D, Gyrfy B, Brcic L, László V, Dóme B, Moldvay J, Dezs K, Bilban M, Popper H, Moll HP, Casanova E

Species

Artificial Control

Dilution

Not Cited

Year

2019

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More applications with references on thermofisher.com

IHC (P) (1)

ICC (4)

IF (30)

Flow (3)

FN (1)

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