

Ki-67 Monoclonal Antibody (20Raj1), eFluor 570, eBioscience

Product Details	
Size	100 µg
Species Reactivity	Dog, Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), eFluor 570, eBioscience
Class	Monoclonal
Type	Antibody
Clone	20Raj1
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_11220278

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	Assay-Dependent	-
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	-
Immunocytochemistry (ICC/IF)	5 µg/mL	2 Publications

Product Specific Information

Description: The monoclonal antibody 20Raj1 recognizes the human Ki-67 protein. Two isoforms of Ki-67 exist, a 345 and 395 kDa form that are expressed in dividing cells. Ki-67 is expressed in all cell types and is detectable during active phases of the cell cycle (G1, S, G2, and mitosis) but is absent from resting cells (G0). During interphase, Ki-67 expression is localized to the nucleus but redistributes to the chromosomes during mitosis and has specifically been found to associate with heterochromatin-bound proteins such as chromobox protein homolog 3 (CBX3). In studies of tumor cells, Ki-67 expression has been used as a marker for determining the fraction of proliferating cells within a given population of tumor cells.

This monoclonal antibody 20Raj1 recognizes canine Ki-67.

Applications Reported: This 20Raj1 antibody has been reported for use in immunohistochemical staining of frozen tissue sections, immunohistochemical staining of formalin-fixed paraffin embedded tissue sections, and immunocytochemistry.

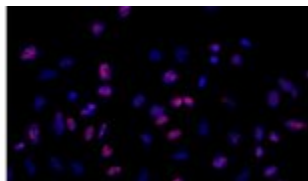
Applications Tested: This 20Raj1 antibody has been tested by immunocytochemistry on fixed and permeabilized HeLa cells and can be used at less than or equal to 5 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in

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 (20Raj1), eFluor 570, eBioscience



Ki-67 Antibody (41-5699-82) in ICC/IF

Immunocytochemistry on fixed and permeabilized HeLa cells using 5 µg/mL Anti-Human Ki-67 eFluor® 570. Nuclei are stained with DAPI.

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

Immunohistochemistry (2)

eLife
Highly multiplexed immunofluorescence imaging of human tissues and tumors using t-CyCIF and conventional optical microscopes.
 "41-5699 was used in Immunohistochemistry-immunofluorescence to develop a tissue-based cyclic immunofluorescence method for highly multiplexed immuno-fluorescence imaging of formalin-fixed, paraffin-embedded specimens mounted on glass slides."
 Authors: Lin JR,Izar B,Wang S,Yapp C,Mei S,Shah PM,Santagata S,Sorger PK

Species
Human
Dilution
Not Cited
Year
2018

Stem cells (Dayton, Ohio)
Biliary tree stem cells, precursors to pancreatic committed progenitors: evidence for possible life-long pancreatic organogenesis.
 "Published figure using Ki-67 monoclonal antibody (Product # 41-5699-82) in Immunofluorescence"
 Authors: Wang Y,Lanzoni G,Carpino G,Cui CB,Dominguez-Bendala J,Wauthier E,Cardinale V,Oikawa T,Pileggi A, Gerber D,Furth ME,Alvaro D,Gaudio E,Inverardi L,Reid LM

Species
Not Applicable
Dilution
Not Cited
Year
2013

Immunocytochemistry (2)

Arteriosclerosis, thrombosis, and vascular biology
S100A6 Regulates Endothelial Cell Cycle Progression by Attenuating Antiproliferative Signal Transducers and Activators of Transcription 1 Signaling.
 "Published figure using Ki-67 monoclonal antibody (Product # 41-5699-82) in Immunocytochemistry"
 Authors: Lerchenmüller C,Heißenberg J,Damilano F,Bezzedis VJ,Krämer I,Bochaton-Piallat ML,Hirschberg K,Busch M, Katus HA,Peppel K,Rosenzweig A,Busch H,Boerries M,Most P

Species
Not Applicable
Dilution
Not Cited
Year
2016

Scientific reports
Core Transcription Factors, MicroRNAs, and Small Molecules Drive Transdifferentiation of Human Fibroblasts Towards The Cardiac Cell Lineage.
 "Published figure using Ki-67 monoclonal antibody (Product # 41-5699-82) in Immunofluorescence"
 Authors: Christoforou N,Chakraborty S,Kirkton RD,Adler AF,Addis RC,Leong KW

Species
Not Applicable
Dilution
Not Cited
Year
2017

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