

Ki-67 Monoclonal Antibody (SolA15), Alexa Fluor 660, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Dog, Cynomolgus monkey, Human, Mouse, Non-human primate, Rat
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Alexa Fluor 660, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	SolA15
Conjugate	Alexa Fluor® 660
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	-

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.

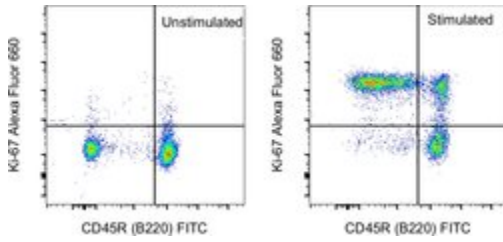
Applications Tested: This SolA15 antibody has been tested by intracellular staining followed by flow cytometric analysis of stimulated mouse splenocytes using the Foxp3/Transcription Factor Staining Buffer Set (Product # 00-5523-00) and protocol. Please refer to "Staining Intracellular Antigens for Flow Cytometry, Protocol B: One step protocol for intracellular (nuclear) proteins" located at Flow Protocols. This may be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Alexa Fluor 660 emits at 690 nm and is intended for use on spectral cytometers where it may be multiplexed with APC, Alexa Fluor

647 and Alexa Fluor 700.

Excitation: 662 nm; Emission: 690 nm; Laser: Red Laser

Product Images For Ki-67 Monoclonal Antibody (SolA15), Alexa Fluor 660, eBioscience™



Ki-67 Antibody (606-5698-82) in Flow

C57BL/6 mouse splenocytes were unstimulated (left) or stimulated for 48 hours with immobilized CD3e Monoclonal Antibody, Functional Grade (Product # 16-0031-85) (right). Cells were then surface-stained with CD45R (B220) Monoclonal Antibody, FITC (Product # 11-0452-82) and stained intracellularly, using the Foxp3 /Transcription Factor Staining Buffer Set (Product # 00-5523-00) and protocol, with 0.125 µg of Ki-67 Monoclonal Antibody, Alexa Fluor 660. Total viable cells were used for analysis, as determined by Fixable Viability Dye eFluor 450 (Product # 65-0863-18). This data was collected on a 5-laser Cytex Aurora full spectral cytometer.

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