

Anti-Mouse/Rat Ki-67 eFluor® 615

Catalog Number: 42-5698

Also known as: Ki-67 protein, mki67

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Anti-Mouse/Rat Ki-67 eFluor® 615
Catalog Number: 42-5698
Clone: SolA15
Concentration: 0.2 mg/mL
Host/Isotype: Rat IgG2a, kappa



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial

Contains sodium azide

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 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 ug/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.

References

Starborg M, Gell K, Brundell E, Höög C. The murine Ki-67 cell proliferation antigen accumulates in the nucleolar and heterochromatic regions of interphase cells and at the periphery of the mitotic chromosomes in a process essential for cell cycle progression. J Cell Sci. 1996 Jan;109 (Pt 1):143-53.

Related Products

00-4953 IHC /ICC Blocking Buffer - Low Protein

00-4954 20X TBS Wash Buffer for IHC/ICC

00-4958 Fluoromount-G™

42-4321 Rat IgG2a K Isotype Control eFluor® 615 (eBR2a)

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