



Mouse Anti-Ki-67/PE Conjugated antibody

SLM33070M-PE

Product Name:	Anti-Ki-67/PE
Alias:	Antigen identified by monoclonal antibody Ki 67; Antigen KI67; KIA; Ki-67; Ki67; MKI67; Proliferation related Ki 67 antigen; Antigen KI-67; KI67_HUMAN.
Organism Species:	Mouse
Clonality:	Monoclonal
Clone NO:	6B9
React Species:	Human,Mouse,Rat,
Applications:	ICC=1:50-200IF=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	358kDa
Form:	Lyophilized or Liquid
Concentration:	2mg/1ml
immunogen:	KLH conjugated synthetic peptide derived from human Ki-67
Lsotype:	IgG
Purification:	affinity purified by Protein G
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail:	background: Ki67 antigen is the prototypic cell cycle related nuclear protein, expressed by proliferating cells in all phases of the active cell cycle (G1, S, G2 and M phase). It is absent in resting (G0) cells. Ki67 antibodies are useful in establishing the cell growing fraction in neoplasms (immunohistochemically quantified by determining the number of Ki67 positive cells among the total number of resting cells = Ki67 index). In neoplastic tissues the prognostic value is comparable to the tritiated thymidine labelling index. The correlation between low Ki67 index and histologically low grade tumours is strong. Ki67 is routinely used as a neuronal marker of cell cycling and proliferation.

Function:

Thought to be required for maintaining cell proliferation.

Subcellular Location:

Nucleus. Chromosome. Predominantly localized in the G1 phase in the perinucleolar region, in the later phases it is also detected throughout the nuclear interior, being predominantly localized in the nuclear matrix. In mitosis, it is present on all chromosomes.

Similarity:

Contains 1 FHA domain.

Database links:

[Entrez Gene: 4288](#)Human

[Entrez Gene: 17345](#)Mouse

[Entrez Gene: 246042](#)Rat

[Omic: 176741](#)Human

[SwissProt: P46013](#)Human

[SwissProt: Q91VE6](#)Mouse

[SwissProt: Q5RJM0](#)Rat

[Unigene: 689823](#)Human

[Unigene: 80976](#)Human

[Unigene: 4078](#)Mouse

[Unigene: 233802](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.