Data Sheet (Cat.No.TMAB-01143)

Anti-MKI67 Antibody (9T614)

Product Details

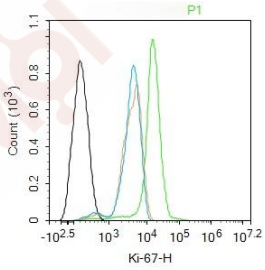
Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 358 kDa.
Clone:	9T614
Purification:	Protein G purified

Applications

Verified Activity:

Blank control: Hela.
Primary Antibody (green line): Mouse Anti-Ki-67 antibody (TMAB-01143)
Dilution: 1 μg/Test;
Secondary Antibody: Goat anti-mouse IgG-FITC
Dilution: 0.5 μg/Test.

Protocol
The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at-20℃. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.



Application:	FCM
Recommended	FCM: 1ug/Test

Properties

Stability & Storage:	Store at -20℃ or -80℃ for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Ki-67
Antigen Species:	Human
Gene ID:	4288
Uniprot ID:	P46013
Synonyms:	MKI67;Antigen identified by monoclonal antibody Ki-67 (Antigen KI-67;Antigen Ki67); Proliferation marker protein Ki-67
Biology Area:	Cell division,Tumor biomarkers,Markers,Soma marker,Neurogenesis,Replication

Research 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.

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