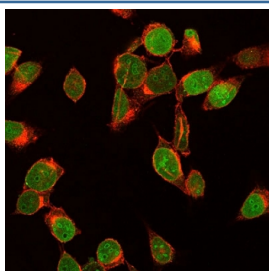


Ki67 Antibody [clone MKI67/2461] (V7434)

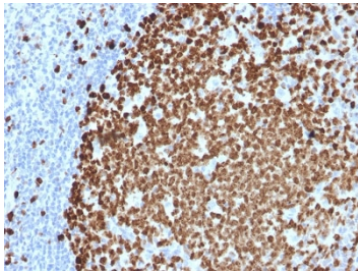
Catalog No.	Formulation	Size
V7434-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7434-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7434SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7434IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

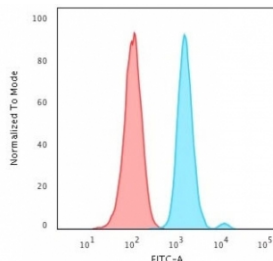
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	MKI67/2461
Purity	Protein G affinity chromatography
UniProt	P46013
Localization	Nuclear
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-2ug/10 ⁶ cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Ki67 antibody is available for research use only.



Immunofluorescent staining of human HeLa cells with Ki67 antibody (green, clone MKI67/2461) and wheat germ agglutinin (red, membrane stain).

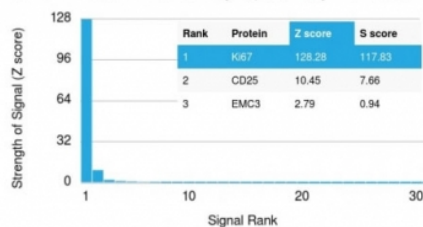


IHC testing of FFPE human tonsil stained with Ki67 antibody (MKI67/2461). Required HIER: boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

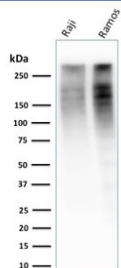


FACS testing of human HeLa cells with Ki67 antibody (blue, clone MKI67/2461) and isotype control (red). Cells were trypsinized and 2-4% PFA-fixed prior to staining.

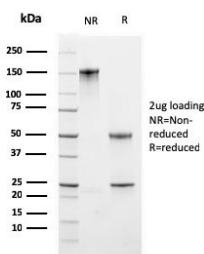
Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Ki67 antibody (clone MKI67/2461). These results demonstrate the foremost specificity of the MKI67/2461 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



Western blot testing of human Raji and Ramos cell lysate with Ki67 antibody (clone MKI67/2461). Predicted molecular weight ~350 kDa.



SDS-PAGE analysis of purified, BSA-free Ki67 antibody (clone MKI67/2461) as confirmation of integrity and purity.

Description

Ki67 antigen is a nuclear, non-histone protein that is present in all stages of the cell cycle except G0. This characteristic makes Ki67 an excellent marker for proliferating cells and is commonly used as one of the prognostic factors in cancer studies. A correlation has been demonstrated between Ki67 index and the histo-pathological grade of neoplasms. Assessment of Ki67 expression in renal and ureter tumors shows a correlation between tumor proliferation and disease progression, thus making it possible to differentiate high-risk patients. Ki-67 expression may also prove to be important for

distinguishing between malignant and benign peripheral nerve sheath tumors. Ki67 labeling index has been shown to be a prognostic marker in a number of neoplasms including grade II astrocytoma, oligodendroglioma, colon carcinoma, and breast carcinoma. In general, Ki67 is a good marker of proliferating cell populations.

Application Notes

Optimal dilution of the Ki67 antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

A portion of amino acids 2293-2478 was used as the immunogen for the Ki67 antibody.

Storage

Store the Ki67 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).