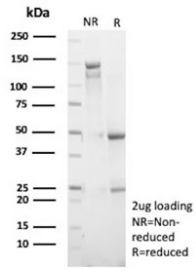
MKI67 Antibody / Ki-67 Antibody [clone rMKI67/9616] (V5553)

Catalog No.	Formulation	Size
V5553-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5553-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5553SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant | MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG2b, kappa
Clone Name	rMKI67/9616
Purity	Protein A/G affinity
UniProt	P46013
Localization	Nucleus
Applications	ELISA :
Limitations	This MKI67 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free recombinant MKI67 antibody (clone rMKI67/9616) as confirmation of integrity and purity.

Description

Ki-67 antigen (MKI67) is a nuclear protein encoded by the MKI67 gene and widely used as a marker of cellular proliferation. MKI67 Antibody / Ki-67 Antibody (clone rMKI67/9616) targets this proliferation-associated protein, enabling

researchers to identify and study actively dividing cells in biological samples. Because Ki-67 expression closely correlates with cell cycle activity, detection of this protein is commonly used to evaluate proliferative status in normal tissues, cultured cells, and tumors.

Ki-67 antibody, also referred to as MKI67 antibody or Ki67 antibody in the literature, recognizes a nuclear protein expressed during the G1, S, G2, and mitotic phases of the cell cycle but largely absent from resting cells in the G0 phase. This tightly regulated expression pattern makes Ki-67 one of the most widely used proliferation markers in biomedical research. Detection of Ki-67 allows investigators to distinguish actively cycling cells from quiescent cell populations within the same sample.

Ki-67 plays an important role in chromatin organization and mitotic chromosome architecture. During interphase, Ki-67 is localized within the nucleus and often associated with nucleolar structures. As cells progress into mitosis, Ki-67 redistributes to the perichromosomal layer that surrounds condensed chromosomes. This dynamic localization reflects the involvement of Ki-67 in maintaining chromosome organization during cell division.

Because of its strong association with proliferating cells, Ki-67 expression is frequently examined in studies of tumor growth, tissue regeneration, and cell cycle regulation. Elevated Ki-67 levels are often observed in rapidly dividing cell populations and many cancer cell types, making the protein a commonly studied biomarker of proliferative activity in cancer research and experimental cell biology.

MKI67 Antibody / Ki-67 Antibody (clone rMKI67/9616) supports detection of the Ki-67 / MKI67 proliferation marker in research applications focused on cellular proliferation and cell cycle biology. This antibody enables investigators to examine Ki-67 protein expression patterns and evaluate proliferative activity in experimental systems.

Application Notes

Optimal dilution of the MKI67 antibody should be determined by the researcher.

Immunogen

A recombinant fragment (within amino acids 2200-2500) of human MKI67 protein was used as the immunogen for the recombinant MKI67 antibody.

Storage

Aliquot the MKI67 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

Ki67 antibody, Antigen KI-67 antibody, Ki-67 proliferation marker antibody, Nuclear proliferation antigen Ki-67 antibody, MKI67 proliferation marker antibody

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