



Magic™ Anti-MKI67 monoclonal antibody, clone NIB-2 [FITC] (DMAB5247MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity Anti-MKI67 reacts with a formalin-resistant epitope and can thus be used on cells obtained from formalin-fixed, paraffin-embedded tissues. In Western blotting of lysates of the multiple myeloma cell line, IM-9, Anti-MKI67, labels bands of 345 and 395kDa, identical to the bands labelled by the original MKI67 antibody. Flow cytometric analysis has shown that Anti-MKI67 reacts negatively or weakly with un-stimulated cells from normal healthy donors. The antibody labels proliferating cancer cell lines, e.g. HeLa, RAJI and IM-9 cells. Anti-MKI67 labels also non-cancer cell lines, e.g. the human urothelial cell line HCV29 in growth phase, and a subpopulation of CD4+CD45R0+ T lymphocytes from HIV infected patients.

| | |
|---------------------------|---|
| Immunogen | Human recombinant peptide corresponding to a 1002 bp Ki-67 cDNA fragment. |
| Isotype | IgG1 |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Clone | NIB-2 |
| Conjugate | FITC |
| Procedure | Flow Cytometry Antibodies |
| Format | liquid form in buffer containing 1% bovine serum albumin (BSA) and 15 mmol/L NaN ₃ , pH 7.2. |
| Preservative | 15mmol/L Sodium Azide |
| Storage | Store in the dark at 2°C-8°C. Do not use after expiration date stamped on vial. |
| Warnings | <ol style="list-style-type: none"> 1. The device is not intended for clinical use including diagnosis, prognosis, and monitoring of a disease state, and it must not be used in conjunction with patient records or treatment. 2. This product contains sodium azide (NaN₃), a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, sodium azide may react with lead and copper plumbing to form highly explosive build-ups of metal azides. Upon disposal, flush with large volumes of water to prevent metal azide build-up in plumbing. 3. As with any product derived from biological sources, proper handling procedures should be used. |

GENE INFORMATION

| | |
|----------------------------|---|
| Gene Name | MKI67antigen identified by monoclonal antibody Ki-67 [Homo sapiens] |
| Official Symbol | MKI67 |
| Synonyms | MKI67; AntigenKI-67; antigen identified by monoclonal antibody Ki-67; OTTHUMP00000020739; OTTHUMP00000020740;KIA; proliferation-related Ki-67 antigen |
| Entrez Gene ID | 4288 |
| Protein Refseq | NP_001139438 |
| UniProt ID | P46013 |
| Chromosome Location | 10q26.2 |
| Function | ATP binding; nucleotidebinding; protein C-terminus binding; protein binding |