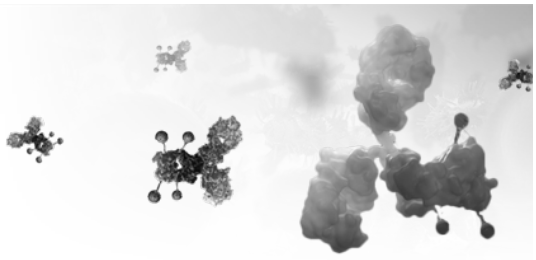

Magic™ Anti-MKI67 monoclonal antibody, clone Li-68 [FITC] (DMAB5246MH)

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

PRODUCT INFORMATION

Specificity	Immunohistochemicaland flow cytometric analysis has shown that Anti-MKI67 Antigen reactsnegatively or weakly with un-stimulated cells from normal healthy donors. Flowcytometric analysis of breast cancer samples demonstrated that Anti-MKI67Antigen labelled proliferating tumor cells. One study with 438 breast cancercases showed variable cellular MKI67 expression levels (1 – 60% above normallevel). Infiltrating lobular carcinomas showed lower MKI67 antigen expressionlevels compared to ductal carcinomas. Medulary carcinomas had the highest MKI67antigen levels. Another study with 154 breast cancer cases showed overall(all cell cycle phases: G0+G1, S+G2M) and G1 cellular MKI67 antigenexpression levels from 5 – 100% and 2 - 95%, respectively. In both studiesthere was a positive correlation between S-phase or S+G2M-phase fraction and MKI67staining. Anti-MKI67 Antigen also reacts with proliferating neoplastic cellsin acute lymphoblastic leukaemia (ALL), acute myeloid leukaemia (AML),chronic myeloid leukaemia (CML), chronic myeloid leukaemia in blast crisis(CML-BC), B-cell chronic lymphocytic leukaemia (B-CLL), hairy cell leukaemia(HCL), prolymphocytic leukaemia (PLL) and immunocytoma (IC). Results showhigh cellular MKI67 antigen levels in ALL (10 - 65%), IC (10 - 44%), B-CLL(up to 20%) and CML-BC cases (10 – 35%). Prolymphocytic leukaemia and hairycell leukaemia have lower MKI67 antigen levels.
Immunogen	Crude nuclearfraction of L428 cells.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	Li-68
Conjugate	FITC
Format	liquid form inbuffer containing 1% bovine serum albumin (BSA) and 15 mmol/L NaN3,pH 7.2.

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Preservative	15mmol/L Sodium Azide
Storage	Store in the dark at 2°C-8°C. Do not use after expiration datestamped on vial. If reagents are stored under any conditions other than thosespecified, the conditions must be verified by the user. There are no obvioussigns to indicate instability of this pr

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

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