Ki-67 Monoclonal Mouse Antibody (MKI67/2462)



Product Description

Ki-67 antigen is a nuclear, non-histone protein that is present in all stages of the cell cycle except G0. This characteristic makes Ki-67 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 Ki-67 index and the histo-pathological grade of neoplasms. Assessment of Ki-67 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. Ki-67 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, Ki-67 is a good marker of proliferating cell populations.

Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. See the CF® Dye Brochure for more information. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Stock status: Because Biotium offers a large number of antibody and conjugation options, primary antibody conjugates may be made to order. Typical lead times are up to one week for CF® dye and biotin conjugates, and up to 2-3 weeks for fluorescent protein and enzyme conjugates. Please email order@biotium.com to inquire about stock status and lead times before placing your order.

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Call us: 800-304-5357

Product attributes

Human gene symbol Human gene symbol MKI67 Entrez gene ID 4288 SwissProt Unigene 689823 Immunogen Recombinant human Ki67 protein fragment (around aa 2293-2478) (ex sequence is proprietary) Verified antibody applications (verified), IHC (FFPE) (verified), IF (verified), IF (verified), IHC (FFPE) (verified), WB (verified) Antibody target cellular localization Species reactivity Antibody application notes Higher concentration may be require direct detection using primary antibod conjugates than for indirect detection with secondary antibody, Immunohistology (formalin): 1-2 ug/m for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffe pH 6.0, for 10-20 minutes, Optima dilution for a specific application show be determined by user Positive control Any actively proliferating cells. Skin, Tonsil or Lymph Node Shipping condition Store at 2 to 8 °C, Protect fluorescer conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Guaranteed for at least 24 months frod date of receipt when stored as recommended Regulatory status For research use only (RUO) Antibody/conjugate formulation BSA/0.05% azide, HRP conjugates: mg/mL in PBS/0.05% BSA, Purified:	Product attributes			
Antibody type Host species Mouse Clonality Monoclonal Clone MKI67/2462 Isotype IgG2b, kappa Molecular weight 345 kDa and 395 kDa Synonyms KI-67; KI67; KI-67 Antigen (KIA); MK Proliferation related KI-67 antigen Human gene symbol MKI67 Entrez gene ID 4288 SwissProt P46013 Unigene 889823 Immunogen Recombinant human Ki67 protein fragment (around aa 2293-2478) (exsequence is proprietary) Verified antibody applications Flow (intracellular) (verified), IF (verified), IHC (FFPE) (verified), WB (verified) Antibody target cellular localization Species reactivity Human Antibody application notes Higher concentration may be require direct detection using primary antiboconjugates than for indirect detection with secondary antibody. Immunohistology (formalin): 1-2 ug/n for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffe pH 6.0, for 10-20 minutes, Optima dilution for a specific application shot be determined by user Positive control Any actively proliferating cells. Skin, Tonsil or Lymph Node Shipping condition Storage Conditions Storage Conditions For research use only (RUO) Antibody/conjugate form light, Note: store BSA-free antibodies at -10 to -35 °C Guaranteed for at least 24 months fred date of receipt when stored as recommended Regulatory status For research use only (RUO) Antibody/conjugate formulation Walidated in protein array Monospecific	Antibody number	#2462		
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Antibody research areas Cancer, Proliferating cell markers	Validated in protein array	Monospecific		
	Antibody research areas	Cancer, Proliferating cell markers		
Cell/tissue expression Proliferating cells	Cell/tissue expression	Proliferating cells		

Email: btinfo@biotium.com

Antibody # prefix BNC04	Conjugation CF®405S	Ex/Em (nm) 404/431	Laser line 405	Detection channel DAPI (microscopy), AF405	Dye Features CF®405S Features
BNC88	CF®488A	490/515	488	GFP, FITC	CF®488A Features
BNC68	CF®568	562/583	532, 561	RFP, TRITC	CF®568 Features
BNC94	CF®594	593/614	561	Texas Red®	CF®594 Features
BNC40	CF®640R	642/662	633-640	Cy®5	CF®640R Features
BNC47	CF®647	650/665	633-640	Cy®5	CF®647 Features
BNCB	Biotin	N/A	N/A	N/A	
BNUB	Purified	N/A	N/A	N/A	
BNUM	Purified, BSA-free	N/A	N/A	N/A	

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