

Product datasheet for **TA389013**

Ki67 (MKI67) Mouse Monoclonal Antibody [Clone ID: 6G3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	6G3
Applications:	ICC, IHC, WB
Recommended Dilution:	WB: 1:2000 ICC: 1:2000-1:5000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant construct containing the N-terminal 300 amino acids of the human sequence expressed in and purified from E. coli.
Specificity:	Specific for endogenous levels of the ~345 & 395 kDa Ki-67 isoforms. Additional bands are thought to be breakdown products of these 2 isoforms.
Formulation:	PBS + 50% glycerol and 5 mm NaN ₃
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	345-395
Gene Name:	marker of proliferation Ki-67
Database Link:	Entrez Gene 4288 Human P46013



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Background:	Ki-67 is a nuclear protein that is considered to be essential for cellular proliferation since it is expressed only in active phases of the cell cycle (G1, S, G2 and mitosis) but not in resting phase G0 (Scholzen & Gerdes 2000). Ki-67 antibodies have therefore been widely used as markers of cell growth. Ki-67 has further been identified as a predicative and prognostic marker in breast, lung, cervical and other cancers (Yerushalmi et al., 2010; Folescu et al., 2018; Das et al., 2018).
Synonyms:	KI67; KIA
Note:	Protein G purified culture supernatant