

## Anti-Ki67 Antibody Picoband™ (monoclonal, 5E12)

Clone no. 5E12

MONOSAN

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Product name	Anti-Ki67 Antibody Picoband™ (monoclonal, 5E12)
Host	Mouse
Applications	IHC,ICC,IF,FC
Species reactivity	Human
Conjugate	-
Immunogen	E. coli-derived human Ki67 recombinant protein (Position: K2860-I3256).
Isotype	IgG2b
Clonality	Monoclonal
Clone number	5E12
Size	100µg
Concentration	Adding 0.2 ml of distilled water =f 500 µg/ml.
Format	Lyophilized
Storage buffer	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg NaN <sub>3</sub> .
Storage until expiry date	-20°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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**Additional info**

Store at -20 °C for one year from date of receipt. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for six months. Avoid repeated freeze-thaw cycles. Add 0.2ml of distilled water will yield a concentration of 500ug/ml. Background: Ki-67 (Proliferation-related Ki-67 antigen), also known as MKI67 or KIA, is a protein that in humans is encoded by the MKI67 gene. From study of a panel of human-rodent somatic cell hybrids, it has been demonstrated that a gene involved in the expression of the MKI67 antigen is located on chromosome 10. By in situ hybridization, Fonatsch et al. (1991) regionalized the MKI67 gene to chromosome 10q25-qter. By FISH, Traut et al. (1998) mapped the mouse Mki67 gene to chromosome 7F3-F5. Antigen KI-67 is a nuclear protein that is associated with and may be necessary for cellular proliferation. Furthermore it is associated with ribosomal RNA transcription. Inactivation of antigen KI-67 leads to inhibition of ribosomal RNA synthesis. Subcellular Localization: Tissue Specificity:

**References**

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