

Mouse anti-Ki 67 Antibody (clone: K-2)

Storage: 2-8°C

Catalog No: M11-008A 1ml
M11-008S 0.2ml
M11-008U 6ml

Intended Use and Background:

The **Ki-67** protein (also known as **MKI67**) is a cellular marker for proliferation. It is strictly associated with cell proliferation. Ki-67 protein is present during all active phases of the cell cycle (G₁, S, G₂, and mitosis), but is absent from resting cells (G₀). Ki-67 is an excellent marker to determine the growth fraction of a given cell population. The fraction of Ki-67-positive tumor cells is often correlated with the clinical course of cancer.

Kit Components:

Mouse anti-Ki 67 Antibody is from mouse ascites fluid and preserved in PBS buffer containing BSA and 0.1% sodium azide.

Clone: K-2
Isotype: IgG1, kappa
Immunogen: Human synthetic peptide
Reacts with: Human, dog, horse, others not tested

Catalog No.	Format	Size
M11-008A	Concentrate	1 ml
M11-008S	Concentrate	0.2ml
M11-008U	Ready-to-use	6ml

Positive Control Tissue: Tonsil

Staining pattern: Nuclear

Pretreatment required: Heat Induced Epitope Retrieval (HIER) in Citrate buffer/pH6.0 may improve staining intensity.

Recommended Protocol:

Application tested: ELISA, IHC (FFPE). Working dilution for formalin-fixed paraffin-embedded human tissue section is from 1:50-200 depending on the detection system used. Optimal dilution needs to be determined by the investigator.

Manual staining procedure:

1. Deparaffinize slides
2. Submerge slides in peroxidase quenching solution for 10 minutes and rinse with PBS 3 times, 2 minutes each.
3. Apply serum blocking solution (optional if use polymer detection system)
4. Apply primary antibody and incubate for 30-60 minutes at room temperature and rinse with PBS 3 times, 2 minutes each.
5. Apply secondary antibody and incubate according to the data sheet of detection system. Rinse with PBS 3 times, 2 minutes each.
6. Apply enzyme conjugate and incubate according to the data sheet of detection system. Rinse with PBS 3 times, 2 minutes each.
7. Apply chromogen and incubate 5-10 minutes and rinse with PBS.

Precaution:

Wear gloves and take other necessary laboratory safety procedure.

Storage: Store at 2-8°C.

Remarks: For research use only. Not for diagnostic or therapeutic use.