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**a WellMed Company**

# Ki-67 clone MXR002
Rabbit Monoclonal Antibody

## Instruction for Use

**Specification:**
The Ki-67 protein is a nuclear protein doublet, 345-395 kDa, playing a pivotal role in maintaining cell proliferation. In diagnostic histopathology and cell biology, the antibody has proven valuable for the demonstration of the Ki-67 antigen in normal and neoplastic cells, for example in soft-tissue sarcoma, prostatic adenocarcinoma, and breast carcinoma. The Ki-67 has been confirmed as a very powerful single prognostic factor for overall survival, with highly proliferative cases showing a much poorer outcome than tumors with low proliferation. In breast cancer, the proliferative index measured by Ki-67 immunoreactivity has both prognostic and predictive value.

**Availability:**

| Catalog No. | Contents | Volume |
|---|---|---|
| **ILM0731-C01** | Ki-67 | 0,1 ml concentrate |
| **ILM0731-C05** | Ki-67 | 0,5 ml concentrate |
| **ILM0731-C1** | Ki-67 | 1,0 ml concentrate |
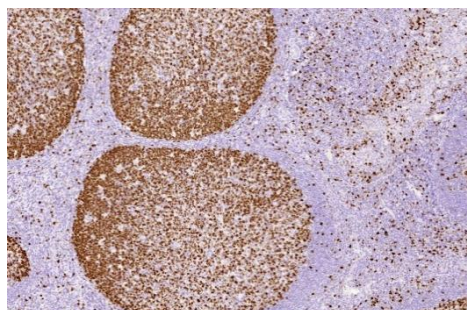


**Intended use:** For Research Use Only

**Reactivity:** Human, others not known

**Clone:** MXR002

**Species of origin:** Rabbit

**Isotype:** IgG

**Control Tissue:** Tonsil

**Staining:** Nuclear

**Presentation:** 1ml Ki-67 tissue culture supernatant contains 15mM Azide

**Application and suggested dilutions:**
Pre-treatment: Heat induced epitope retrieval in 10 mM citrate buffer pH6.0 for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.
- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution up to 1:100-1:200)

The optimal dilution for a specific application should be determined by the investigator.

**Note:** Dilution of the antibody in 10% normal goat serum followed by a Goat anti-Rabbit secondary antibody-based detection is recommended.

**Storage & Stability:** Store at 2-8 °C. Do not use after expiration date printed on the vial.

**Reference:**
1) Cheang, MU, Chia SK, Voduc D, et al. Ki-67 index, HER2 Status and Prognosis of Patients with luminal B Breast Cancer. J Natl Cancer inst, 2009, 101(10): 736-750
2) Yerushalmi R, Woods R, Ravdin PM, et al. Ki-67 in Breast cancer: prognostic and predictive potential. Lancet Oncol, 2010, 11(2), 174-183

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