



## Background

Recombinant Monoclonal Anti-Ki-67 Antibody, Rabbit (7A4) is a Ki-67 primary antibody for IHC application. Required to maintain individual mitotic chromosomes dispersed in the cytoplasm following nuclear envelope disassembly. Associates with the surface of the mitotic chromosome, the perichromosomal layer, and covers a substantial fraction of the chromosome surface. Prevents chromosomes from collapsing into a single chromatin mass by forming a steric and electrostatic charge barrier: the protein has a high net electrical charge and acts as a surfactant, dispersing chromosomes and enabling independent chromosome motility.

## Key parameter

Host Species	Rabbit
Isotype	IgG
Clone	7A4
Application	IHC
Property	1: 500
State	Liquid
Positive Control	Human Tonsil Tissues
Clonality	Monoclonal
Research Field	Cancer Drug Targets
Source	Rabbit
Synonym	PPP1R105, MIB-1, ki-67

## Experiment Protocol

LEICA Experiment Protocol(Manual)

## Storage

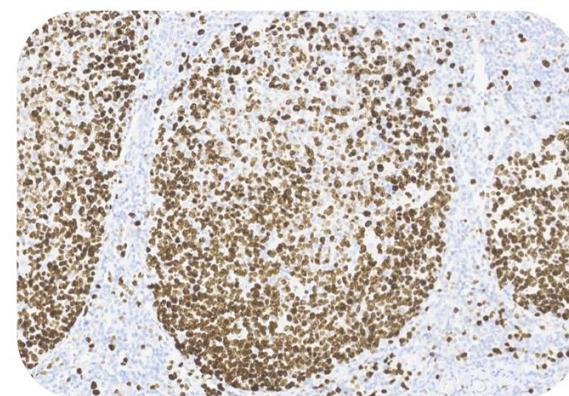
Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. The shelf life is 30 days from the date of opening.

## Typical Data

### Control Sample



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-Ki-67 Antibody, Rabbit (7A4) (HGS-S239)  
Human Tonsil Tissue, 4X



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-Ki-67 Antibody, Rabbit (7A4) (HGS-S239)  
Human Tonsil Tissue, 20X

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# Recombinant Monoclonal Anti-Ki-67 Antibody, Rabbit (7A4)

Catalog # HGS-S239

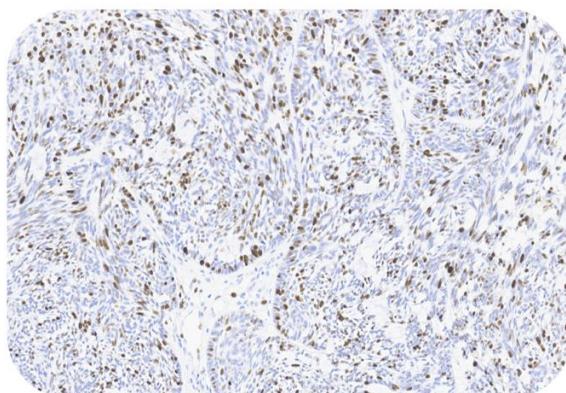


BIOSYSTEMS  
**Acro**  
Surprise Inside!

## Immunohistochemical analysis of paraffin embedded Human tonsil tissue labelled with HGS-S239 at 1/500 dilution.

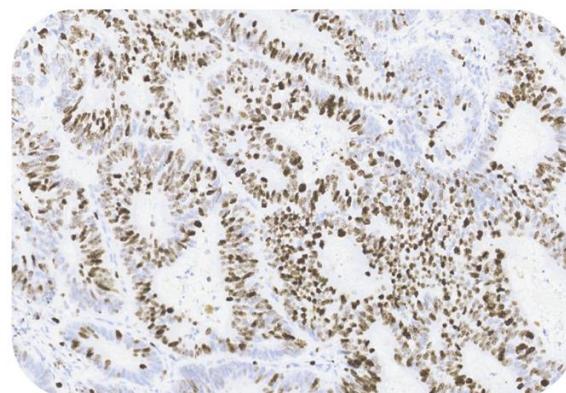
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

### Cancer Sample



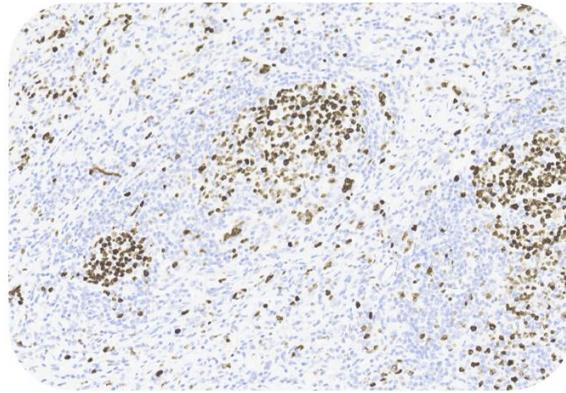
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-Ki-67 Antibody, Rabbit (7A4) (HGS-S239)

Human Skin Cancer, 20X



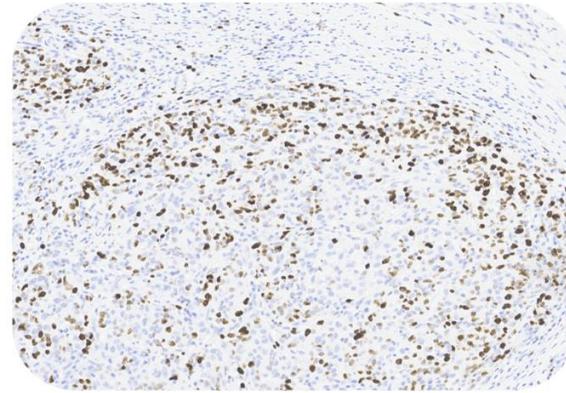
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-Ki-67 Antibody, Rabbit (7A4) (HGS-S239)

Human Colorectal Cancer, 20X



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-Ki-67 Antibody, Rabbit (7A4) (HGS-S239)

Human Gastric Cancer, 20X



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-Ki-67 Antibody, Rabbit (7A4) (HGS-S239)

Human Gastric Cancer, 20X

## Immunohistochemical analysis of paraffin embedded human cancer tissue labelled with HGS-S239 at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

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