

For Research Use Only

# FcZero-rAb® Biotin Anti-Human Ki-67 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98143-2



## Basic Information

Catalog Number:

Biotin-FcA98143-2

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_002417

GeneID (NCBI):

4288

UNIPROT ID:

P46013

Full Name:

antigen identified by monoclonal antibody Ki-67

Calculated MW:

359 kDa

Purification Method:

Protein A purification

CloneNo.:

241499B1

Recommended Dilutions:

FC (Intra): 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

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## Applications

Tested Applications:

FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

FC (Intra) : PHA treated human PBMCs,

## Background Information

The Ki-67 protein (also known as MKI67) is a cellular marker for proliferation. Ki67 is present during all active phases of the cell cycle (G1, S, G2 and M), but is absent in resting cells (G0). Cellular content of Ki-67 protein markedly increases during cell progression through S phase of the cell cycle. Therefore, the nuclear expression of Ki67 can be evaluated to assess tumor proliferation by immunohistochemistry. It has been demonstrated to be of prognostic value in breast cancer. In head and neck cancer, several studies have reported an association between high proliferative activity and poorer prognosis.

## Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

For technical support and original validation data for this product please contact:

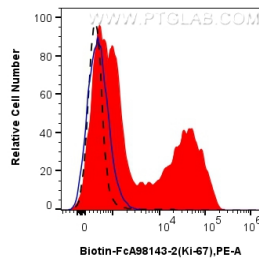
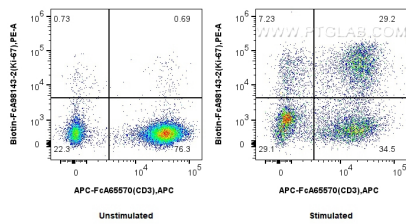
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W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



$1 \times 10^6$  untreated or PHA-treated human PBMCs were intracellularly stained with 0.25  $\mu$ g Biotin Anti-Human Ki-67 Rabbit RecAb (Biotin-FcA98143-2, Clone:241499B1) and Streptavidin-PE Conjugate (PE-PF00030). Cells were co-stained with FcZero-rAb® APC Anti-Human CD3 (UCHT1) Rabbit Recombinant Antibody (APC-FcA65570, Clone: UCHT1). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).

$1 \times 10^6$  PHA treated human PBMCs were intracellularly stained with 0.25  $\mu$ g Biotin Anti-Human Ki-67 Rabbit RecAb (Biotin-FcA98143-2, Clone:241499B1) (red) or FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue) and Streptavidin-PE Conjugate (PE-PF00030).  $1 \times 10^6$  untreated human PBMCs were intracellularly stained with 5  $\mu$ l Biotin Anti-Human Ki-67 Rabbit RecAb (Biotin-FcA98143-2, Clone:241499B1)

