

For Research Use Only

# FcZero-rAb™ APC-Cyanine7 Anti-Mouse Ki-67 Rabbit Recombinant Antibody

Catalog Number:AY7-FcA98224



## Basic Information

Catalog Number:

AY7-FcA98224

Size:

100ug , 200 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1548

GenBank Accession Number:

NM\_001081117.2

GeneID (NCBI):

17345

UNIPROT ID:

E9PVX6-1

Full Name:

antigen identified by monoclonal antibody Ki 67

Calculated MW:

351kDa

Purification Method:

Protein A purification

CloneNo.:

241768E2

Recommended Dilutions:

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

Excitation/Emission maxima wavelengths:

650 nm / 778 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

mouse

Positive Controls:

FC (Intra) : Con A treated mouse splenocytes,

## 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 Ki-67 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

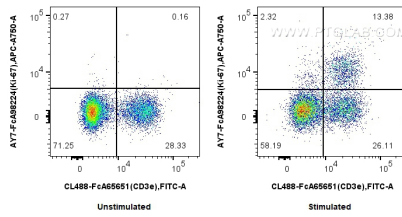
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1x10<sup>6</sup> untreated or Con A treated mouse splenocytes were intracellularly stained with FcZero-rAb™ CoraLite® Plus 488 Anti-Mouse CD3e (145-2C11) and 0.25 ug APC-Cyanine7 Anti-Mouse Ki-67 Rabbit RecAb (AY7-FcA98224, Clone: 241768E2). Cells were incubated with MonoZero™ Monocytes blocking Reagent(PF00020) prior to staining. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).