FcZero-rAb™ CoraLite® Plus 488 Anti-Mouse Ki-67 Rabbit Recombinant Antibody

Catalog Number:CL488-FcA98224
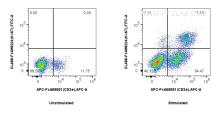
Basic Information

Catalog Number:
CL488-FcA98224

Concentration:
100ug, 500 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG1548

GenBank Accession Number:
NM_001081117.2

GeneID (NCBI):
17345

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 10^6 cells in a 100 μl suspension

Excitation/Emission maxima wavelengths:
493 nm / 522 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, pH7.3

1x10^6 Con A-treated or untreated mouse splenocytes were intracellularly stained with FcZero-rAb™ APC Anti-Mouse CD3e and 0.25 ug CoraLite® Plus 488 Anti-Mouse Ki-67 Rabbit RecAb (CL488-FcA98224, Clone: 241768E2). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.