

PE Rabbit anti-Human/Monkey Ki67 mAb

Catalog NO.: A27749

Basic Information

Observed MW

Calculated MW

319kDa/359kDa

Category

Monoclonal Antibodies

Applications

FC (intra)

Cross-Reactivity

Human, Cynomolgus

Conjugation

PE. Ex:565nm. Em:574nm.

Clone number

ARC57564

Background

Enables protein C-terminus binding activity. Involved in regulation of chromosome segregation and regulation of mitotic nuclear division. Located in chromosome; nuclear body; and nucleolus. Colocalizes with condensed chromosome. Implicated in Crohn's disease; breast cancer; human immunodeficiency virus infectious disease; and pancreatic cancer. Biomarker of several diseases, including Barrett's esophagus; autoimmune disease of musculoskeletal system (multiple); endocrine gland cancer (multiple); gastrointestinal system cancer (multiple); and interstitial cystitis.

Recommended Dilutions

FC (intra) 5 µl per 10⁶ cells in 100 µl volume

Immunogen Information

Gene ID

Hu 4288 /Cyno 102135895

Swiss Prot

P46013

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

KIA; MIB-; MIB-1; PPP1R105

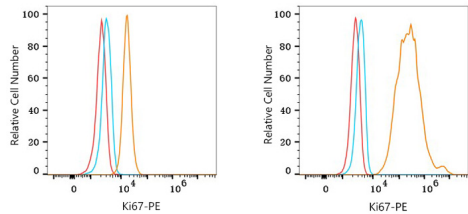
Contact

Product Information

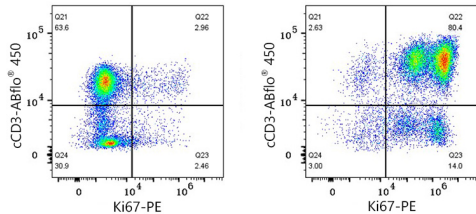
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Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at 2-8°C. Avoid freeze.		
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.		

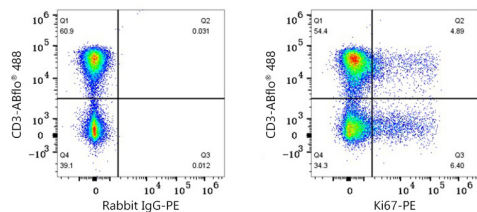
Validation Data



Flow cytometry: 1X10^6 knockout (KO) HeLa cells (negative control,left) and HeLa cells (right) were intracellularly-stained with PE Rabbit anti-Human/Monkey Ki67 mAb (A27749,5 µl/Test,orange line) or PE Rabbit IgG isotype control (A24172,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 Human PBMC (untreated,left) and Human PBMC (treated with 5 µg/mL PHA for 72 hours,right) were intracellularly-stained with ABflo® 450 Rabbit anti-Human cCD3 mAb (A27836,5 µl/Test) and PE Rabbit anti-Human/Monkey Ki67 mAb (A27749,5 µl/Test). Cells in the lymphocyte gate were used for analysis.



Flow cytometry: 1X10⁶ Cynomolgus peripheral blood mononuclear cells were surface-stained with ABflo® 488 Rabbit anti-Human/Monkey CD3 mAb (A26283, 5 µl/Test) and then intracellularly-stained with PE Rabbit IgG isotype control (A24172, 5 µl/Test, left) or PE Rabbit anti-Human/Monkey Ki67 mAb (A27749, 5 µl/Test, right). Cells in the lymphocyte gate were used for analysis.