ABflo® 488 Rabbit anti-Human/Monkey Ki67 mAb

Catalog NO.: A23407

Basic Information

Observed MW
Refer to figures

Calculated MW
319kDa/359kDa

Category
Monoclonal Antibodies

Applications
FC (intra)

Cross-Reactivity
Human, Cynomolgus

Conjugation
ABflo® 488. Ex:491nm. Em:516nm.

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 10^6 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

order@abclonal.com
service@abclonal.com
www.abclonal.com

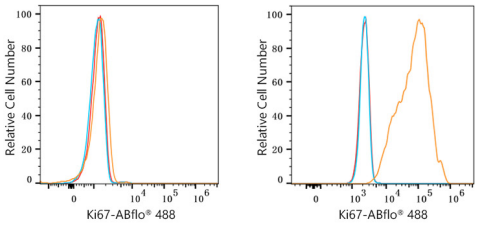
Source
Rabbit

Isotype
IgG

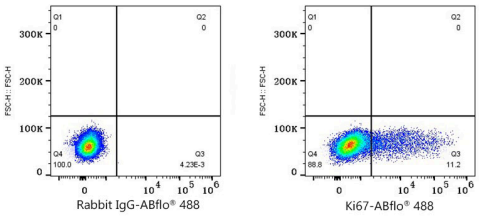
Purification
Affinity purification

Storage
Store at 2-8°C. Avoid freeze.
Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

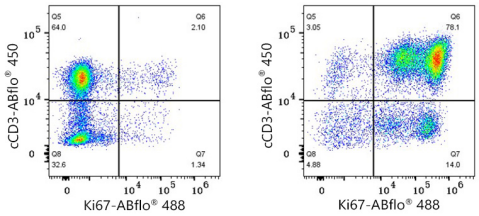
Validation Data



Flow cytometry:1X10^6 knockout (KO) HeLa cells(negative control,left) and HeLa cells (right) were intracellularly-stained with ABflo® 488 Rabbit anti-Human/Monkey Ki67 mAb(A23407,5 µl/Test,orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,blue line).Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 Cynomolgus PBMC were intracellularly-stained with ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or ABflo® 488 Rabbit anti-Human/Monkey Ki67 mAb (A23407,5 µl/Test,right). Cells in the lymphocyte gate were used for analysis.



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 ABflo® 488 Rabbit anti-Human/Monkey Ki67 mAb (A23407,5 µl/Test). Cells in the lymphocyte gate were used for analysis.