Leader in Biomolecular Solutions for Life Science

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ABflo® 594 Rabbit anti-Human Integrin β5/ITGB5 mAb

Catalog No.: A24248

Basic Information

Observed MW
Refer to figures

Calculated MW
88kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Human

CloneNo number
ARC60858-ABflo594

Conjugate
ABflo® 594. Ex:588nm. Em:604nm.

Background

Integrins, heterodimeric trans-membrane matrix receptors, are mainly involved in the signal transduction and attachments to extra cellular matrix (ECM).†† In ECM they act as a mediator of cell adhesion.† In human, at least 18 α and eight β subunits have been found.† ITGB5 (integrin subunit β 5) helps in facilitation of cancer cell migration, anchorage-independent growth and tumor angiogenesis. Integrin is activated by G-protein-coupled receptors, resulting in the phosphorylation of cytoplasmic domain of the β subunit. The coupled α and β cytoplasmic tails are responsible for maintaining integrin in inactive state.

Recommended Dilutions

FC	5 µl per 10^6 cells in 100 µl volume

Immunogen Information

Gene ID
3693

Swiss Prot
P18084

Immunogen
Recombinant Protein corresponding to a sequence within amino acids 24-490 of human Integrin β5/ITGB5 (NP_002204.2).

Synonyms
ITGB5; integrin beta-5

Contact

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Product Information

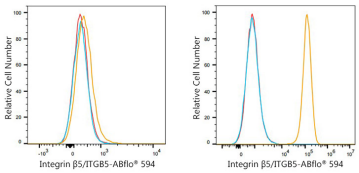
Source
Rabbit

Isotype
IgG

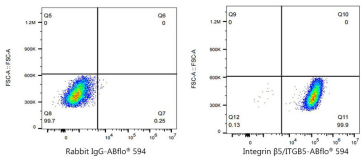
Purification
Affinity purification

Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS with 0.03% proclin300,0.2% BSA,pH7.3.

Validation Data



Flow cytometry: 1X10^6 Jurkat cells(negative control,left) and A549 cells (right) were surface-stained with ABflo® 594 Rabbit anti-Human Integrin β5/ITGB5 mAb(A24248,5 µl/Test,orange line) or ABflo® 594 Rabbit IgG isotype control (A23821,5 µl/Test,blue line).Non-fluorescently stained were used as blank control (red line).



Flow cytometry:1X10^6 A549 cells were surface-stained with ABflo® 594 Rabbit IgG isotype control (A23821,5 µl/Test,left) or ABflo® 594 Rabbit anti-Human Integrin β5/ITGB5 mAb(A24248,5 µl/Test,right).