A27553
Leader in Biomolecular Solutions for Life Science

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ABflo® 488 Rabbit anti-Human CD298/ATP1B3 mAb

Catalog No.: A27553

Basic Information

Observed MW

Calculated MW
32kDa

Category
SMab Recombinant Monoclonal Antibody

Applications
FC

Cross-Reactivity
Human

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

Background

The protein encoded by this gene belongs to the family of Na+/K+ and H+/K+ ATPases beta chain proteins, and to the subfamily of Na+/K+ -ATPases. Na+/K+ -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma membrane. These gradients are essential for osmoregulation, for sodium-coupled transport of a variety of organic and inorganic molecules, and for electrical excitability of nerve and muscle. This enzyme is composed of two subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane. The glycoprotein subunit of Na+/K+ -ATPase is encoded by multiple genes. This gene encodes a beta 3 subunit. This gene encodes a beta 3 subunit. A pseudogene exists for this gene, and it is located on chromosome 2.

Recommended Dilutions

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

Immunogen Information

Gene ID
483

Swiss Prot
P54709

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
CD298; ATPB-3

Contact

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Product Information

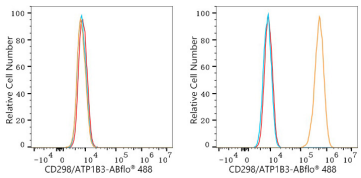
Source
Rabbit

Isotype
IgG

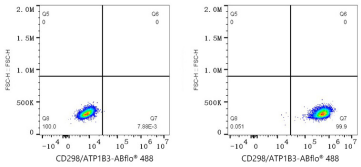
Purification
Affinity purification

Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

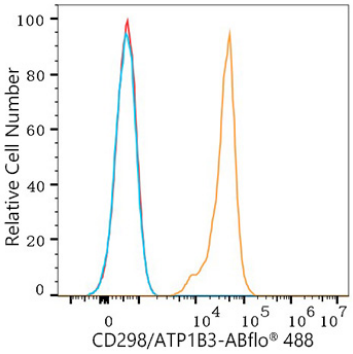
Validation Data



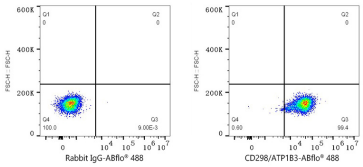
Flow cytometry: 1X10^6 knockout (KO) HeLa cells (negative control,left) and HeLa cells (right) were surface-stained with ABflo® 488 Rabbit anti-Human CD298/ATP1B3 mAb (A27553,5 µl/Test,orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line)



Flow cytometry: 1X10^6 knockout (KO) HeLa cells (negative control,left) and HeLa cells (right) were surface-stained with ABflo® 488 Rabbit anti-Human CD298/ATP1B3 mAb (A27553,5 µl/Test)



Flow cytometry: 1X10^6 Human PBMC were surface-stained with ABflo® 488 Rabbit anti-Human CD298/ATP1B3 mAb (A27553,5 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). Cells in the lymphocyte gate were used for analysis.



Flow cytometry: 1X10^6 Human PBMC were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or ABflo® 488 Rabbit anti-Human CD298/ATP1B3 mAb (A27553,5 µl/Test,right). Cells in the lymphocyte gate were used for analysis.