

ABflo® 488 Rabbit anti-Mouse CD31 mAb

Catalog No.: A23701

Basic Information

Observed MW

Calculated MW

69kDa/77kDa/80kDa/81kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse

CloneNo number

ARC61018

Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

Background

Predicted to enable protein homodimerization activity; protein phosphatase binding activity; and transmembrane signaling receptor activity. Acts upstream of or within several processes, including Rho protein signal transduction; endothelial cell morphogenesis; and positive regulation of tyrosine phosphorylation of STAT protein. Located in several cellular components, including cell-cell contact zone; external side of plasma membrane; and smooth muscle contractile fiber. Is expressed in several structures, including alimentary system; cardiovascular system; central nervous system; extraembryonic component; and genitourinary system. Human ortholog(s) of this gene implicated in coronary artery disease (multiple); lung non-small cell carcinoma; neuroblastoma; and psoriatic arthritis. Orthologous to human PECAM1 (platelet and endothelial cell adhesion molecule 1).

Recommended Dilutions

FC 5 µl per 10⁶ cells in
100 µl volume

Immunogen Information

Gene ID

18613

Swiss Prot

Q08481

Immunogen

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

Synonyms

Cd31; Pecam; PECAM-1

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

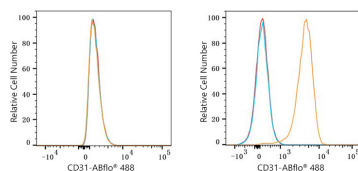
Affinity purification

Storage

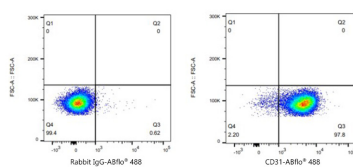
Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

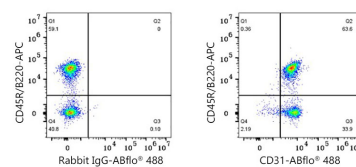
Validation Data



Flow cytometry: 1×10^6 NIH/3T3 cells (negative control, left) and C57BL/6 mouse Splenocytes (right) were surface-stained with ABflo® 488 Rabbit anti-Mouse CD31 mAb (A23701, 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: 1×10^6 C57BL/6 mouse Splenocytes were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5 µl/Test, left) or ABflo® 488 Rabbit anti-Mouse CD31 mAb (A23701, 5 µl/Test, right).



Flow cytometry: 1×10^6 C57BL/6 mouse splenocytes were surface-stained with APC Rat anti-Mouse CD45R/B220 mAb (A27570, 5 µl/Test) and ABflo® 488 Rabbit IgG isotype control (A22069, 5 µl/Test, left) or ABflo® 488 Rabbit anti-Mouse CD31 mAb (A23701, 5 µl/Test, right). Cells in the lymphocyte gate were used for analysis.