Leader in Biomolecular Solutions for Life Science

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ABflo® 488 Rabbit anti-Rat CD31 mAb

Catalog No.: A25152 **1 Publications**

Basic Information

Observed MW

Calculated MW
76kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Rat

CloneNo number
ARC64727

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

Background

Enables protein phosphatase binding activity. Involved in several processes, including cellular response to interferon-gamma; negative regulation of GTPase activity; and negative regulation of actin filament polymerization. Located in cell surface and ruffle. Used to study pulmonary hypertension. Biomarker of bacterial pneumonia; orchitis; and osteoarthritis. 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 10^6 cells in 100 µl volume

Immunogen Information

Gene ID
29583

Swiss Prot
Q3SWT0

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

Synonyms
CD31; Pecam; CD31/PECAM1

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

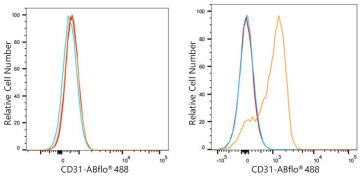
Source
Rabbit

Isotype
IgG

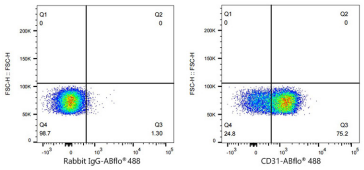
Purification
Affinity purification

Storage
Store at 2-8℃. 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 PC-12 cells (negative control,left) and Rat Splenocytes (right) were surface-stained with ABflo® 488 Rabbit anti-Rat CD31 mAb (A25152,5 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 Rat Splenocytes were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or ABflo® 488 Rabbit anti-Rat CD31 mAb (A25152,5 µl/Test,right).