

# ABflo® 450 Rabbit anti-Mouse/Rat CD31/PECAM1 mAb

Catalog No.: A28212

## Basic Information

### Observed MW

### Calculated MW

81 kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Mouse, Rat

### CloneNo number

ARC61018

### Conjugate

ABflo® 450. Ex:406nm. Em:445nm.

## 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 ≤0.5 µg per million 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

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

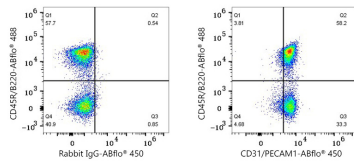
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

## Validation Data



Flow cytometry: 1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface-stained with ABflo® 488 Rat anti-Mouse CD45R/B220 mAb (A27571, 5 µl/Test) and ABflo® 450 Rabbit IgG isotype control (A27451, 5 µl/Test, left) or ABflo® 450 Rabbit anti-Mouse/Rat CD31/PECAM1 mAb (A28212, 0.5 µg, right).