

PE Rabbit anti-Mouse/Rat CD31/PECAM1 mAb

Catalog NO.: A28121

Basic Information

Observed MW

Calculated MW

69kDa/77kDa/80kDa/81kDa

Category

Monoclonal Antibodies

Applications

FC

Cross-Reactivity

Mouse, Rat

Conjugation

PE. Ex:565nm. Em:574nm.

Clone number

ARC61018

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

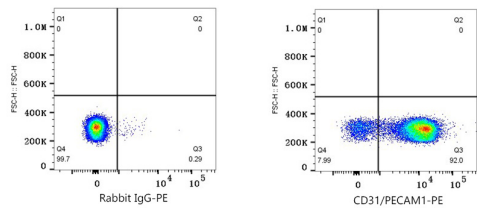
Contact

Product Information

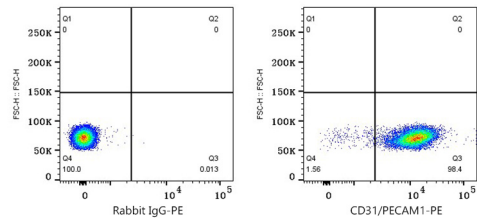
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Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at 2-8°C. Avoid freeze.		
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.		

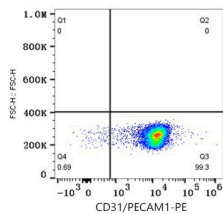
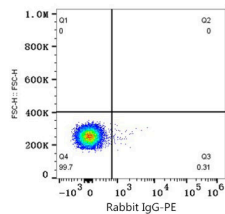
Validation Data



Flow cytometry: 1X10⁶ Rat splenocytes were surface-stained with PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-Mouse/Rat CD31/PECAM1 mAb (A28121,0.5 µg,right).



Flow cytometry: 1X10⁶ BALB/C mouse splenocytes were surface-stained with PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-Mouse/Rat CD31/PECAM1 mAb (A28121,0.5 µg,right).



Flow cytometry: 1×10^6 C57BL/6 mouse splenocytes were surface-stained with PE Rabbit IgG isotype control (A24172, 5 μ l/Test, left) or PE Rabbit anti-Mouse/Rat CD31/PECAM1 mAb (A28121, 0.5 μ g, right).