Leader in Biomolecular Solutions for Life Science

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PE/Cyanine7 Rabbit anti-Mouse/Rat CD31/PECAM1 mAb

Catalog No.: A27361

Basic Information

Observed MW

Calculated MW
81kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Mouse, Rat

CloneNo number
ARC61018

Conjugate
PE-Cy7. Ex:565nm. Em:778nm.

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	≤0.25 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

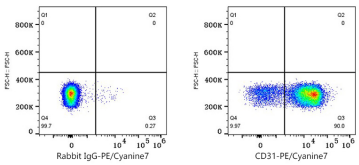
Source
Rabbit

Isotype
IgG

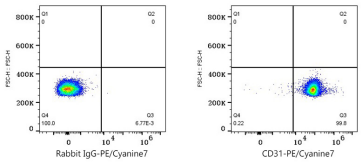
Purification
Affinity purification

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

Validation Data



Flow cytometry: 1X10^6 Rat splenocytes were surface-stained with PE/Cyanine7 Rabbit IgG isotype control (5 µl/Test,left) or PE/Cyanine7 Rabbit anti-Mouse CD31 mAb (A27361,0.25 µg,right).



Flow cytometry: 1X10^6 BALB/c mouse splenocytes were surface-stained with PE/Cyanine7 Rabbit IgG isotype control (5 µl/Test,left) or PE/Cyanine7 Rabbit anti-Mouse CD31 mAb (A27361,0.25 µg,right).