

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

Catalog No.: A27803

Basic Information

Observed MW

Calculated MW

69kDa/77kDa/80kDa/81kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse, Rat

CloneNo number

ARC61018

Conjugate

APC-Cy7. Ex:651nm. Em:779nm.

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

Swiss Prot

18613

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

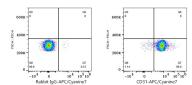
SourceIsotypePurificationRabbitIgGAffinity purification

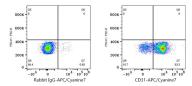
Storage

Store at 2-8°C. Avoid freeze.

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

Validation Data





Flow cytometry: 1X10^6 BALB/c mouse splenocytes were surface-stained with APC/Cyanine7 Rabbit IgG isotype control (0.5 µg,left) or APC/Cyanine7 Rabbit anti-Mouse CD31 mAb (A27803,0.5 µg,right).

Flow cytometry: $1X10^6$ Rat splenocytes were surface-stained with APC/Cyanine7 Rabbit IgG isotype control (0.5 μ g,left) or APC/Cyanine7 Rabbit anti-Mouse CD31 mAb (A27803,0.5 μ g,right).