

Biotin Rabbit anti-Mouse/Rat CD31/PECAM1 mAb

Catalog NO.: A27363

Basic Information

Observed MW

Calculated MW

69kDa/77kDa/80kDa/81kDa

Category

Monoclonal Antibodies

Applications

FC

Cross-Reactivity

Mouse, Rat

Conjugation

Biotin

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 ≤0.25 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

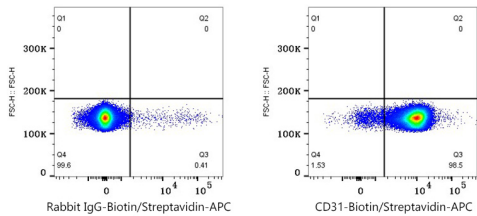
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Product Information

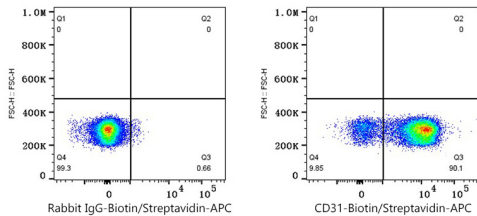
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Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at 2-8°C. Avoid freeze.		
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.		

Validation Data



Flow cytometry: 1X10⁶ BALB/c mouse splenocytes were surface-stained with Biotin Rabbit IgG isotype control (A25626,5 µl/Test,left) or Biotin Rabbit anti-Mouse CD31 mAb (A27363,0.25µg,right), followed by APC Streptavidin staining.



Flow cytometry: 1X10⁶ Rat splenocytes were surface-stained with Biotin Rabbit IgG isotype control (A25626,5 µl/Test,left) or Biotin Rabbit anti-Mouse CD31 mAb (A27363,0.5µg,right), followed by APC Streptavidin staining.

