

# 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**

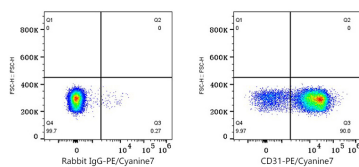
Affinity purification

**Storage**

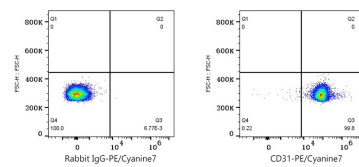
Store at 2-8°C. Avoid freeze.

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

## Validation Data



Flow cytometry:  $1 \times 10^6$  Rat splenocytes were surface-stained with PE/Cyanine7 Rabbit IgG isotype control (5  $\mu$ l/Test, left) or PE/Cyanine7 Rabbit anti-Mouse CD31 mAb (A27361, 0.25  $\mu$ g, right).



Flow cytometry:  $1 \times 10^6$  BALB/c mouse splenocytes were surface-stained with PE/Cyanine7 Rabbit IgG isotype control (5  $\mu$ l/Test, left) or PE/Cyanine7 Rabbit anti-Mouse CD31 mAb (A27361, 0.25  $\mu$ g, right).