

ABflo® 594 Rabbit anti-Mouse/Rat CD31/PECAM1 mAb

Catalog No.: A23703

Basic Information

Observed MW

Calculated MW

69kDa/77kDa/80kDa/81kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse, Rat

CloneNo number

ARC61018

Conjugate

ABflo® 594. Ex:588nm. Em:604nm.

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

5 μ l per 10^6 cells in 100 μ l 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

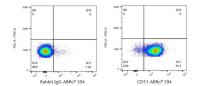
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data







Flow cytometry:1X10^6 C57BL/6 mouse splenocytes were surface-stained with ABflo® 594 Rabbit IgG isotype control(A23821,5 µl/Test,left) or ABflo® 594 Rabbit anti-Mouse CD31 mAb(A23703,5 µl/Test,right).

Flow cytometry: 1X10^6 Rat splenocytes were surface-stained with ABflo® 594 Rabbit IgG isotype control (A23821,5 µl/Test,left) or ABflo® 594 Rabbit anti-Mouse CD31 mAb (A23703,5 µl/Test,right).