

For Research Use Only

# FcZero-rAb™ APC Anti-Mouse CD31 Rabbit Recombinant Antibody

Catalog Number: APC-FcA98258



## Basic Information

**Catalog Number:**

APC-FcA98258

**Concentration:**

100ug, 200 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

EG0846

**GenBank Accession Number:**

NM\_001305157.1

**GeneID (NCBI):**

18613

**UNIPROT ID:**

Q08481-1

**Full Name:**

platelet/endothelial cell adhesion molecule 1

**Calculated MW:**

81 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

242041B5

**Recommended Dilutions:**

FC: 0.1 ug per 10<sup>6</sup> cells in a 100 µl suspension

**Excitation/Emission maxima wavelengths:**

650 nm / 660 nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

mouse

**Positive Controls:**

FC : mouse splenocytes,

## Background Information

CD31, also known as PECAM1 (Platelet endothelial cell adhesion molecule), is a member of the immunoglobulin gene superfamily of cell adhesion molecules. CD31 is a transmembrane glycoprotein that is highly expressed on the surface of the endothelium, making up a large portion of its intracellular junctions. It is also present on the surface of hematopoietic cells and immune cells including platelets, monocytes, neutrophils, natural killer cells, megakaryocytes and some types of T-cell (PMID: 9011572). As well as its role in cell-cell adhesion, CD31 functions as a signaling receptor, and is involved in important physiological events such as nitric oxide production, regulation of T-cell immunity and tolerance, leukocyte transendothelial migration and inflammation and angiogenesis (PMID: 21183735; 20978210; 17872453; 20634489).

## Storage

**Storage:**

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

For technical support and original validation data for this product please contact:

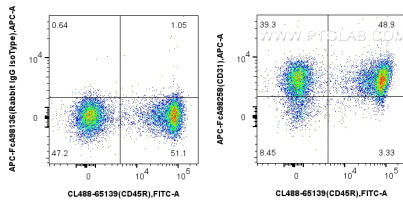
T: 4006900926

E: Proteintech-CN@ptglab.com

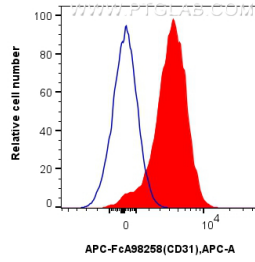
W: ptgcn.com

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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with Coralite® Plus 488 Anti-Mouse CD45R (B220) (RA3-6B2), and 0.1 ug APC Anti-Mouse CD31 Rabbit RecAb (APC-FcA98258, Clone: 242041B5) or 0.1 ug APC Rabbit IgG Isotype Control RecAb (APC-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.1 ug APC Anti-Mouse CD31 Rabbit RecAb (APC-FcA98258, Clone: 242041B5) (red) or 0.1 ug APC Rabbit IgG Isotype Control RecAb (APC-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.