

For Research Use Only

# APC Anti-Mouse CD31 (390)

Catalog Number: APC-65058

1 Publications



## Basic Information

<b>Catalog Number:</b> APC-65058	<b>GenBank Accession Number:</b> BC008519	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.1 mg/ml	<b>GeneID (NCBI):</b> 18613	<b>CloneNo.:</b> 390
<b>Source:</b> Rat	<b>UNIPROT ID:</b> Q08481	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG2a	<b>Full Name:</b> platelet/endothelial cell adhesion molecule 1	<b>Excitation/Emission maxima wavelengths:</b> 650 nm / 660 nm

## Applications

<b>Tested Applications:</b> FC, IF/ICC	<b>Positive Controls:</b> IF : bEnd.3 cells,
<b>Cited Applications:</b> IF	
<b>Species Specificity:</b> Mouse	
<b>Cited Species:</b> mouse	

## Background Information

Platelet endothelial cell adhesion molecule-1 (PECAM-1, CD31) 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. PECAM-1 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, PECAM-1 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Pengkai Wu	35395456	Biomaterials	IF

## Storage

**Storage:**  
Store at 2-8°C. Avoid exposure to light.  
**Storage Buffer:**  
PBS with 0.1% sodium azide and a stabilizer.

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

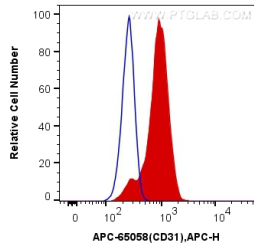
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

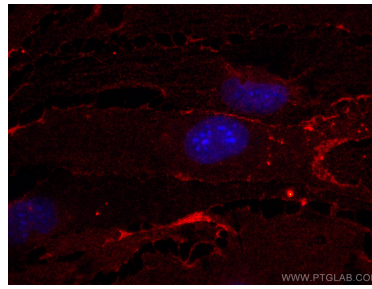
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## Selected Validation Data



1X10<sup>6</sup> BALB/c mouse splenocytes were surface stained with 0.2 ug APC Anti-Mouse CD31 (APC-65058, Clone: 390) (red) or 0.2 ug isotype control (blue). Cells were not fixed.



Immunofluorescent analysis of (4% PFA) fixed bEnd.3 cells using APC CD31 antibody (APC-65058, Clone: 390) at dilution of 1:100.