

For Research Use Only

APC Anti-Mouse CD31 (390)

Catalog Number: APC-65058

1 Publications



Basic Information

Catalog Number:

APC-65058

Size:

100ug, 0.1 mg/ml

Source:

Rat

Isotype:

IgG2a, kappa

GenBank Accession Number:

BC008519

GeneID (NCBI):

18613

UNIPROT ID:

Q08481

Full Name:

platelet/endothelial cell adhesion molecule 1

Purification Method:

Affinity purification

CloneNo.:

390

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC: 0.2 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maximum wavelengths:

650 nm / 660 nm

Applications

Tested Applications:

IF/ICC, FC

Cited Applications:

IF

Species Specificity:

mouse

Cited Species:

mouse

Positive Controls:

IF/ICC : bEnd.3 cells,

FC : mouse splenocytes,

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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

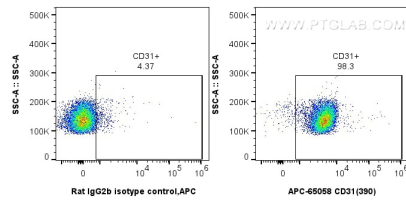
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

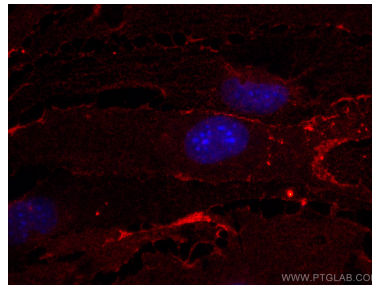
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.2 ug APC Anti-Mouse CD31 (390) (APC-65058, Clone: 390) or 0.2 ug APC Rat IgG2a Isotype Control (2A3) (APC-65209, Clone: 2A3). 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.