

For Research Use Only

# FITC Anti-mouse CD31 (390)

Catalog Number: FITC-65058

1 Publications



## Basic Information

<b>Catalog Number:</b> FITC-65058	<b>GenBank Accession Number:</b> BC008519	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 500ug , Concentration: 0.5 mg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 18613	<b>CloneNo.:</b> 390
<b>Source:</b> Rat	<b>Full Name:</b> platelet/endothelial cell adhesion molecule 1	
<b>Isotype:</b> IgG2a		

## Applications

**Tested Applications:**  
FC

**Cited Applications:**  
FC

**Species Specificity:**  
Mouse

**Cited Species:**  
rat

## 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
Hongping Yu	32135036	J Cell Mol Med	FC

## Storage

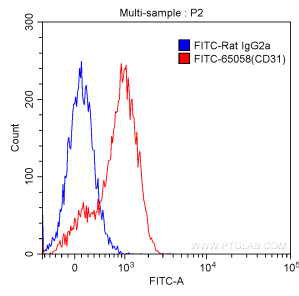
**Storage:**  
Store at 2-8°C. Avoid exposure to light.

**Storage Buffer:**  
PBS with 0.1% sodium azide.

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  
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## Selected Validation Data



1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface stained with 1.00 ug FITC Anti-Mouse CD31 (FITC-65058, Clone: 390) (red) or 1.00 ug isotype control antibody (blue). Samples were not fixed.