

For Research Use Only

PE Anti-Mouse CD31 (390)

Catalog Number: PE-65058



Basic Information

Catalog Number: PE-65058	GenBank Accession Number: BC008519	Purification Method: Affinity purification
Size: 100ug, 0.1 mg/ml	GeneID (NCBI): 18613	CloneNo.: 390
Source: Rat	Full Name: platelet/endothelial cell adhesion molecule 1	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
Isotype: IgG2a		

Applications

Tested Applications:
FC

Species Specificity:
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).

Storage

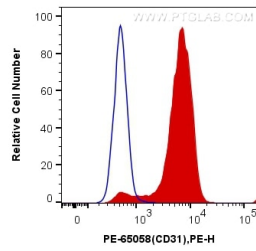
Storage:
Store at 2-8°C. Avoid exposure to light.

Storage Buffer:
PBS with 0.1% sodium azide and a stabilizer.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



1X10⁶ BALB/c mouse splenocytes were surface stained with 0.2 ug PE Anti-Mouse CD31 (PE-65058, Clone: 390) (red) or 0.2 ug PE-rat IgG2a isotype control (blue). Cells were not fixed.