

# PE Anti-Mouse CD31 (390)

Catalog Number: PE-65058

## Basic Information

**Catalog Number:**

PE-65058

**Size:**

100ug, 0.1 mg/ml

**Source:**

Rat

**Isotype:**

IgG2a

**GenBank Accession Number:**

BC008519

**GeneID (NCBI):**

18613

**UNIPROT ID:**

Q08481

**Full Name:**

platelet/endothelial cell adhesion molecule 1

**Purification Method:**

Affinity purification

**CloneNo.:**

390

**Excitation/Emission maxima wavelengths:**

496 nm, 565 nm / 578 nm

## 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

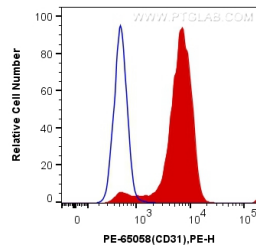
**Storage:**

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

**Storage Buffer:**

PBS with 0.1% sodium azide and a stabilizer.

## Selected Validation Data



1X10<sup>6</sup> 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.