

For Research Use Only

Anti-Mouse CD31 Rabbit Recombinant Antibody

Catalog Number: 98258-1-RR



Basic Information

Catalog Number: 98258-1-RR	GenBank Accession Number: NM_001305157.1	Purification Method: Protein A purification
Size: 100ug, 1000 µg/ml	GeneID (NCBI): 18613	CloneNo.: 242041B5
Source: Rabbit	UNIPROT ID: Q08481-1	
Isotype: IgG	Full Name: platelet/endothelial cell adhesion molecule 1	
	Calculated MW: 81 kDa	

Applications

Tested Applications:
FC

Species Specificity:
mouse

Background Information

CD31, also known as PECAM1 (Platelet endothelial cell adhesion molecule), 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. It 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, CD31 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

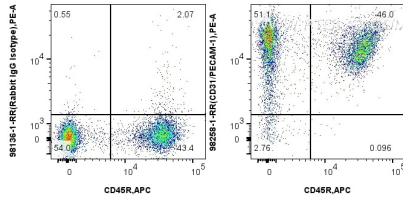
Storage:
Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

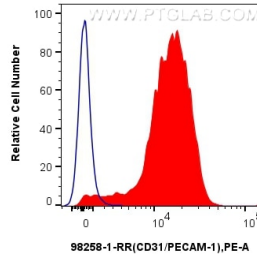
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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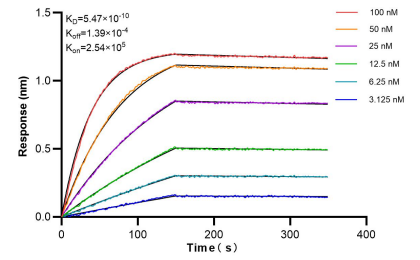
Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.15 ug Anti-Mouse CD31 Rabbit Recombinant Antibody (98258-1-RR, Clone: 242041B5) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with APC Anti-Mouse CD45R (B220) (RA3-6B2) (APC-65139, Clone: RA3-6B2). Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.15 ug Anti-Mouse CD31 Rabbit Recombinant Antibody (98258-1-RR, Clone:242041B5) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



Bi-layer interferometry (BLI) kinetic assays of 98258-1-RR against Mouse CD31 were performed. The affinity constant is 0.547 nM.