

For Research Use Only

FITC Plus Anti-Mouse CD31 Rabbit Recombinant Antibody

Catalog Number: FITC-98258



Basic Information

Catalog Number: FITC-98258	GenBank Accession Number: NM_001305157.1	Purification Method: Protein A purification
Size: 100ug , 500 µg/ml	GeneID (NCBI): 18613	CloneNo.: 242041B5
Source: Rabbit	UNIPROT ID: Q08481-1	Excitation/Emission maxima wavelengths: 495 nm / 524 nm
Isotype: IgG	Full Name: platelet/endothelial cell adhesion molecule 1	
Immunogen Catalog Number: EG0846	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

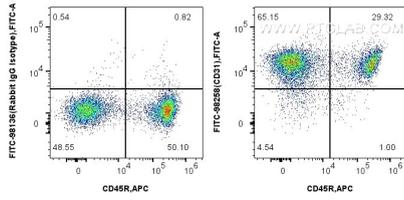
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

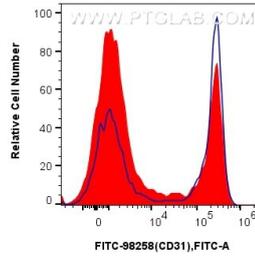
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with CoralLite® Plus 647 Anti-Mouse CD45R, and 0.25 ug FITC Plus Anti-Mouse CD31 Rabbit RecAb (FITC-98258, Clone: 242041B5) or FITC Plus Rabbit IgG Isotype Control RecAb (FITC-98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug FITC Plus Anti-Mouse CD31 Rabbit RecAb (FITC-98258, Clone: 242041B5) (red) or FITC Plus Rabbit IgG Isotype Control RecAb (FITC-98136, Clone: 240953C9) (blue). Cells were not fixed.