

For Research Use Only

CoraLite® Plus 594 Anti-Human CD31 (WM-59)



Catalog Number:CL594-65268

Basic Information

Catalog Number: CL594-65268	GenBank Accession Number: BC022512	Purification Method: Affinity purification
Size: 100tests , 5 ul/test	GeneID (NCBI): 5175	CloneNo.: WM-59
Source: Mouse	ENSEMBL Gene ID: ENSG00000261371	Excitation/Emission maxima wavelengths: 594 nm / 615 nm
Isotype: IgG1, kappa	Full Name: platelet/endothelial cell adhesion molecule	
	Calculated MW: 83 kDa	

Applications

Tested Applications:
FC
Species Specificity:
human

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).

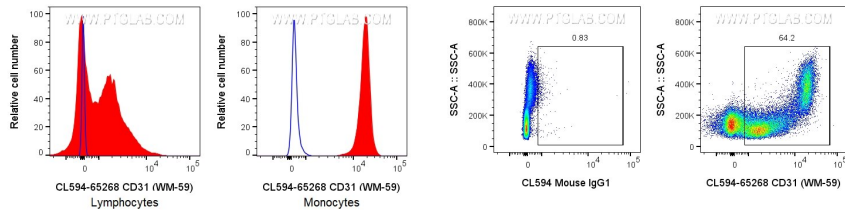
Storage

Storage:
Store at 2-8°C. Avoid exposure to light.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

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 FC receptor blocked human PBMCs were surface stained with 5 ul CoraLite® Plus 594 Anti-Human CD31 (CL594-65268, Clone: WM-59) or CoraLite®594 Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes and monocytes were gated.

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