

For Research Use Only

CD31 Recombinant monoclonal antibody, PBS Only

Catalog Number: 80773-4-PBS



Basic Information

Catalog Number:	80773-4-PBS	GenBank Accession Number:	NM_000442.5	Purification Method:	Protein A purification
Size:	1000ug, Concentration: 1 mg/ml by Nanodrop;	GenelD (NCBI):	5175	CloneNo.:	251101C9
Source:	Rabbit	ENSEMBL Gene ID:	ENSG00000261371	UNIPROT ID:	P16284-1
Isotype:	IgG	Full Name:	platelet/endothelial cell adhesion molecule	Calculated MW:	83 kDa
Immunogen Catalog Number:	EG4658	Observed MW:	100-140 kDa		

Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:
human

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).

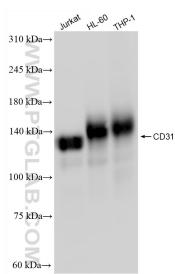
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, 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
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 80773-4-RR (CD31 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 80773-4-PBS in a different storage buffer formulation.

