For Research Use Only

CD31 Monoclonal antibody

Catalog Number:66065-2-lg 37 Publications

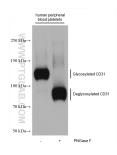


Basic Information	Catalog Number: 66065-2-lg	GenBank Accession Number: BC022512	Purification Method: Protein A purification	
	Size: 1000 µg/ml	GenelD (NCBI): 5175	CloneNo.: 3F8E2	
	Source: Mouse Isotype: IgG1	ENSEMBL Gene ID: ENSG00000261371	Recommended Dilutions: WB 1:5000-1:50000	
		UNIPROT ID: P16284	IHC 1:5000-1:20000 IF 1:50-1:500	
	Immunogen Catalog Number: AG19730	Full Name: platelet/endothelial cell adhesion molecule		
		Calculated MW: 83 kDa		
		Observed MW: 120-130 kDa		
Applications	Tested Applications:	Positive C	Positive Controls: WB : human peripheral blood platelets, Jurkat cells, THP-1 cells	
	FC, IF-P, IHC, WB, ELISA Cited Applications:			
	WB, IF, FC, IHC Species Specificity:		IHC : human liver cancer tissue, human breast cancer tissue, human tonsillitis tissue	
	Human		IF : human placenta tissue, human liver cancer tissue	
	Cited Species: human			
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			
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Background Information	TE buffer pH 9.0; (*) Altern retrieval may be performed buffer pH 6.0 Platelet endothelial cell adhesion superfamily of cell adhesion mol surface of the endothelium, maki surface of hematopoietic cells an megakaryocytes and some types functions as a signaling receptor,	atively, antigen d with citrate n molecule-1 (PECAM-1, CD31) is a me ecules. CD31 is a transmembrane glyc ng up a large portion of its intracellula d immune cells including platelets, me of T-cell (PMID: 9011572). As well as ir and is involved in important physiolog d tolerance, leukocyte transendothelia	oprotein that is highly expressed on the r junctions. PECAM-1 is also present on the onocytes, neutrophils, natural killer cells, is role in cell-cell adhesion, PECAM-1 gical events such as nitric oxide productio	
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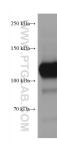
For technical support and original validation data for this product please contact: T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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Selected Validation Data



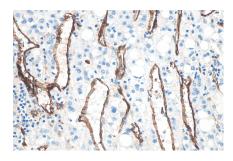
Untreated and PNGase F-treated lysates of human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 66065-2-1g (CD31 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).



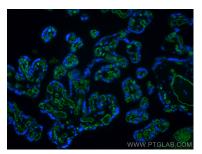
human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 66065-2-Ig (CD31 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



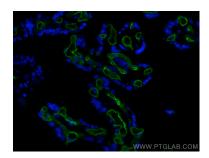
Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 66065-2-1g (CD31 antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



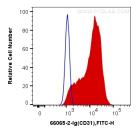
Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 66065-2-Ig (CD31 antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



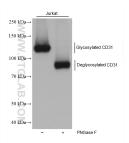
Immunofluorescent analysis of (4% PFA) fixed human placenta tissue using CD31 antibody (66065-2-Ig, Clone: 3F8E2) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human placenta tissue using CD31 antibody (66065-2-1g, Clone: 3F8E2) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10^6 THP-1 cells were surface stained with 0.4 ug Anti-Human CD31 (66065-2-Ig, Clone:3F8E2) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were not fixed.



Untreated and PNGase F-treated lysates of Jurkat cells were subjected to SDS PAGE followed by western blot with 66065-2-Ig (CD31 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.