

#### OriGene Technologies, Inc.

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# Product datasheet for TA504804AM

# CD31 (PECAM1) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI2F4]

## **Product data:**

Product Type:	Primary Antibodies	
Clone Name:	OTI2F4	
Applications:	FC, IF, WB	
Recommended Dilution:	WB 1:200 - 1:1000, IF 1:100, FLOW 1:100	
Reactivity:	Human	
Host:	Mouse	
lsotype:	lgG1	
Clonality:	Monoclonal	
Immunogen:	Full length human recombinant protein of human PECAM1(NP_000433) produced in HEK293T cell.	
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.	
Concentration:	0.5 mg/ml	
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)	
Conjugation:	Biotin	
Storage:	Store at -20°C as received.	
Stability:	Stable for 12 months from date of receipt.	
Predicted Protein Size:	82.4 kDa	
Gene Name:	platelet and endothelial cell adhesion molecule 1	
Database Link:	<u>NP_000433</u> <u>Entrez Gene 5175 Human</u> <u>P16284</u>	
Background:	The protein encoded by this gene is found on the surface of platelets, monocytes, neutrophils, and some types of T-cells, and makes up a large portion of endothelial cell intercellular junctions. The encoded protein is a member of the immunoglobulin superfamily and is likely involved in leukocyte migration, angiogenesis, and integrin activation. [provided by RefSeq]	



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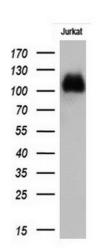
CD31 (PECAM1) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI2F4] – TA504804AM

Synonyms:CD31; CD31/EndoCAM; endoCAM; GPIIA'; PECA1; PECAM-1Protein Families:Druggable Genome, ES Cell Differentiation/IPS, TransmembraneProtein Pathways:Cell adhesion molecules (CAMs), Leukocyte transendothelial migration

### **Product images:**

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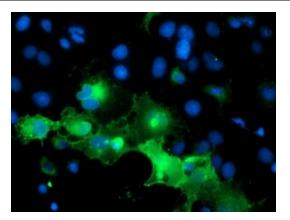
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PECAM1 ([RC208654], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PECAM1. Positive lysates [LY424716] (100ug) and [LC424716] (20ug) can be purchased separately from OriGene.



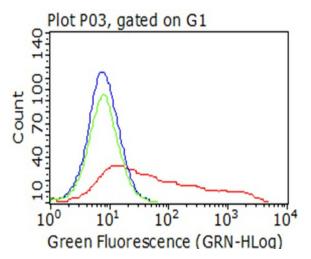
Western blot analysis of extracts (10ug) from 1 cell line by using anti-PECAM1 monoclonal antibody at 1:200.

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Anti-PECAM1 mouse monoclonal antibody ([TA504804]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY PECAM1 ([RC208654]).



Living HEK293T cells transfected with either [RC208654] plasmid (red) or empty vector (blue) were immunostained by anti-PECAM1 antibody ([TA504804]) or isotype control antibody (green), and then analyzed by flow cytometry (1:100).

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