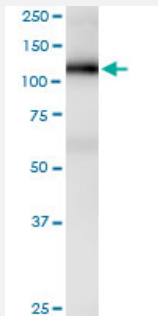


PECAM1 monoclonal antibody (M01), clone 1D2-1A5

Catalog # H00005175-M01

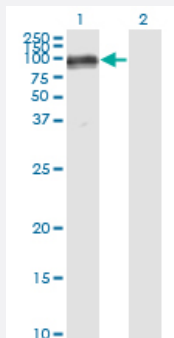
Size 100 ug

Applications



Western Blot (Tissue lysate)

PECAM1 monoclonal antibody (M01), clone 1D2-1A5. Western Blot analysis of PECAM1 expression in human placenta.

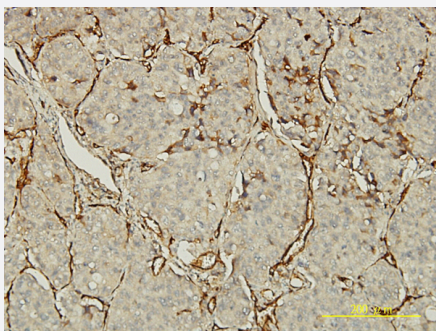


Western Blot (Transfected lysate)

Western Blot analysis of PECAM1 expression in transfected 293T cell line by PECAM1 monoclonal antibody (M01), clone 1D2-1A5.

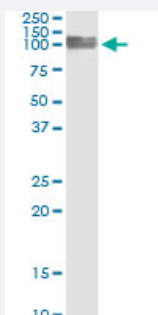
Lane 1: PECAM1 transfected lysate(82.4 KDa).

Lane 2: Non-transfected lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

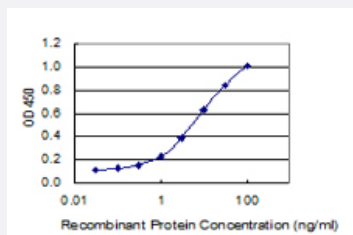
Immunoperoxidase of monoclonal antibody to PECAM1 on formalin-fixed paraffin-embedded human lung, adenosquamous cell carcinoma tissue. [antibody concentration 5 ug/ml]



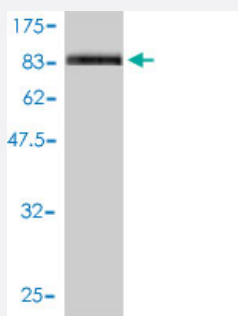
Immunoprecipitation

Immunoprecipitation of PECAM1 transfected lysate using anti-PECAM1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PECAM1 MaxPab rabbit polyclonal antibody.

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged PECAM1 is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (103.95 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant PECAM1.
Immunogen	PECAM1 (AAH22512, 29 a.a. ~ 738 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	ENSFTINSVDMKSLPDWTVQNGKNLTLQCFADVSTTSHVKPQHQMIFYKDDVLFYNISSMKSTES YFIPEVRIYDSGTYSCTVIVNNKEKTTAEYQVLVEGVSPRVTLDDKKEAIQGGMRVNCSPPEEKAPI HFTIEKLELNEKMMVKLKREKNSRDQNFVILEFPVEEQDRVLSFRCQARIISGIHMQTSESTKSELVT VTESFSTPKFHISPTGMIMEGAQLHKCTIQVTHLAQEFPEIIQKDKAMVAHNRHGNKAVYSVMAMV EHSGNYTCKVESSRISKVSSMVNITELFSKPELESSFTHLDQGERLNLSCSIPGAPPANFTIQKEDT VSQTQDFTKIASKSDSGTYICTAGIDKVVKSNNTVQIVCEMLSQPRISYDAQFEVIKGQTIEVRCE SISGTLPISYQLLKTSKVLENSTKNSNDPAVFKDNPTEDVEYQCVADNCHSHAKMLSEVLRVKVIA PVDEVQISILSSKVVESGEDVLQCAVNEGSGPITYKFYREKEGKPFYQMTSNATQAFWTKQKANK EQEGEYYCTAFNRANHASSVPRSKILTVRVILAPWKKGLIADVIGVIALIIAAKCYFLRKAKAKQMP VMSRPVPLLLNSNNEKMSDPNMEANSHYGHNDVGNHAMKPINDNKEPLNSDVQYTEVQVSS AESHKDLGKKDTETVYSEVRKAVPDAVESRYSRTEGSLDGT
Host	Mouse
Reactivity	Human
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (103.95 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

PECAM1 monoclonal antibody (M01), clone 1D2-1A5. Western Blot analysis of PECAM1 expression in human placenta.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of PECAM1 expression in transfected 293T cell line by PECAM1 monoclonal antibody (M01), clone 1D2-1A5.

Lane 1: PECAM1 transfected lysate(82.4 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PECAM1 on formalin-fixed paraffin-embedded human lung, adenosquamous cell carcinoma tissue. [antibody concentration 5 ug/ml]

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of PECAM1 transfected lysate using anti-PECAM1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PECAM1 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PECAM1 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PECAM1

Entrez GeneID	5175
GeneBank Accession#	BC022512
Protein Accession#	AAH22512
Gene Name	PECAM1
Gene Alias	CD31, PECAM-1
Gene Description	platelet/endothelial cell adhesion molecule
Omim ID	173445
Gene Ontology	Hyperlink
Gene Summary	CD31/EndoCAM adhesion molecule
Other Designations	CD31 antigen CD31/EndoCAM PECAM-1, CD31/EndoCAM adhesion molecule

Publication Reference

- [Fluorescence-guided Fiber-Optic Micronavigation Using Microscopic Identification of Vascular Boundary of Liver Segment and Tumors.](#)

Qingliang Wang, Baifeng Qian, Michael Schäfer, Wolfgang Groß, Arianeb Mehrabi, Eduard Ryschich.

Theranostics 2020 May; 10(14):6136.

Application: IF, IHC-Fr, Human, Human hepatocellular carcinoma, Human livers

- [DRG2 supports the growth of primary tumors and metastases of melanoma by enhancing VEGF-A expression.](#)

Nal Ae Yoon, Se Jin Jung, Seong Hee Choi, Jin Hyun Ryu, Muralidharan Mani, Unn Hwa Lee, Mai-Tram Vo, Do Yong Jeon, Su Wol Chung, Byung Ju Lee, Young Wha Koh, Soon Eun Park, Yong Joon Shin, Sang Soo Kang, Wha Ja Cho, Hee Jeong Cha, Jeong Woo Park.

The FEBS Journal 2020 May; 287(10):2070.

Application: IHC-P, Mouse, B16F10 cells

Pathway

- [Cell adhesion molecules \(CAMs\)](#)

- [Leukocyte transendothelial migration](#)

Disease

- [Acute Disease](#)
- [Angina Pectoris](#)
- [Arteriosclerosis](#)
- [Asthma](#)
- [Astrocytoma](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Bronchiolitis](#)
- [Cadaver](#)
- [Cerebral Hemorrhage](#)
- [Chorioamnionitis](#)
- [Cicatrix](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Stenosis](#)
- [Diabetes Mellitus](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Hematologic Diseases](#)

- [Hematologic Neoplasms](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Intracranial Hemorrhages](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Malaria](#)
- [Metabolic Syndrome X](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Osteosarcoma](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Recurrence](#)
- [Renal Insufficiency](#)
- [Respiratory Syncytial Virus Infections](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Syndrome](#)
- [Urinary Tract Infections](#)
- [Venous Thrombosis](#)

- [Werner syndrome](#)