

PECAM1 monoclonal antibody, clone MEM-05 (Biotin)

Catalog # MAB5043

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native PECAM1.
Immunogen	Native purified PECAM1 from leukocytes of patient suffering from LGL-type leukaemia.
Host	Mouse
Theoretical MW (kDa)	130-140
Reactivity	Human
Specificity	This antibody reacts with CD31 (PECAM-1), a 130-140 KDa type I transmembrane glycoprotein expressed on monocytes, platelets, granulocytes, endothelial cells and stem cells of the myeloid lineage.
Form	Liquid
Conjugation	Biotin
Isotype	IgG1
Recommend Usage	Flow Cytometry (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

Gene Info — PECAM1

Entrez GeneID	5175
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

- [PECAM-1-regulated signalling thresholds control tolerance in anergic transgenic B-cells.](#)

Wong MX, Hayball JD, Jackson DE.

Molecular Immunology 2007 Oct; 45(6):1767.

- [PECAM-1: a multi-functional molecule in inflammation and vascular biology.](#)

Woodfin A, Voisin MB, Nourshargh S.

Arteriosclerosis, Thrombosis, and Vascular Biology 2007 Sep; 27(12):2514.

- [Induction of hyporesponsiveness and impaired T lymphocyte activation by the CD31 receptor:ligand pathway in T cells.](#)

Prager E, Staffler G, Majdic O, Saemann M, Godar S, Zlabinger G, Stockinger H.

Journal of Immunology (Baltimore, Md. : 1950) 2001 Feb; 166(4):2364.

Application: Flow Cyt, Human, Human T cell clones EP 27.1 and O A.1

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](#)