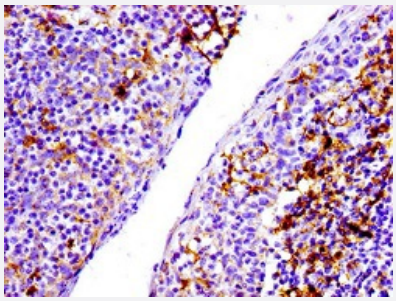
RecomAb™ Sm Size

PECAM1 recombinant monoclonal antibody, clone 7B7

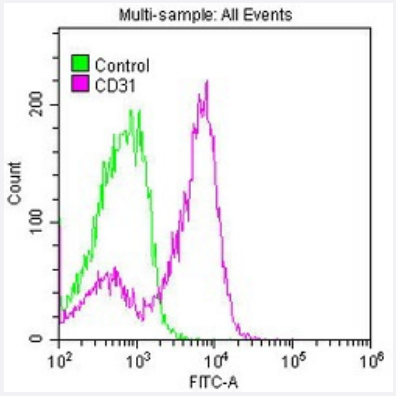
Catalog # RAB07965 Size 50 uL

Applications



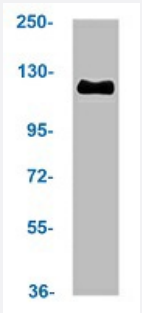
Immunohistochemistry

Immunohistochemical staining of human tonsil tissue with PECAM1 recombinant monoclonal antibody (diluated at 1:100).



Flow Cytometry

Flow cytometric analysis of Jurkat cells with PECAM1 recombinant monoclonal antibody (diluated at 1:50; purple line) and negative control (green line).



Western Blot (Cell lysate)

Western blot analysis of THP-1 whole cell lysate with PECAM1 recombinant monoclonal antibody.

Specification

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Product Description	Rabbit recombinant monoclonal antibody raised against human PECAM1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PECAM1.
Theoretical MW (kDa)	Calculated MW: 125 k
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry Immunohistochemistry (1:50-1:500) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry

  Immunohistochemical staining of human tonsil tissue with PECAM1 recombinant monoclonal antibody (diluated at 1:100).

- Flow Cytometry

  Flow cytometric analysis of Jurkat cells with PECAM1 recombinant monoclonal antibody (diluated at 1:50; purple line) and negative control (green line).

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Cell lysate)

  Western blot analysis of THP-1 whole cell lysate with PECAM1 recombinant monoclonal antibody.

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Gene Info — PECAM1

Entrez GeneID	5175
Protein Accession#	P16284
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

Pathway

- Cell adhesion molecules (CAMs)
- Leukocyte transendothelial migration

Disease

- Acute Disease
- Angina Pectoris
- Arteriosclerosis
- Asthma
- Astrocytoma
- Atherosclerosis
- Brain Ischemia
- Bronchiolitis
- Cadaver

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- 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

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- 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

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