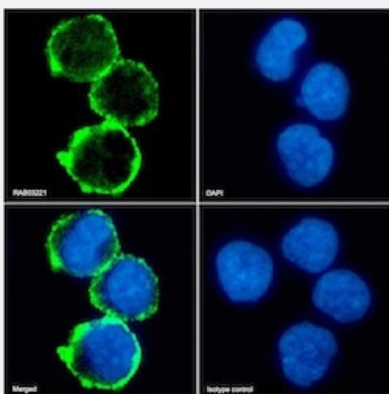


RecomAb™

PECAM1 recombinant monoclonal antibody, clone BAG-85D10

Catalog # RAB03221 Size 200 ug

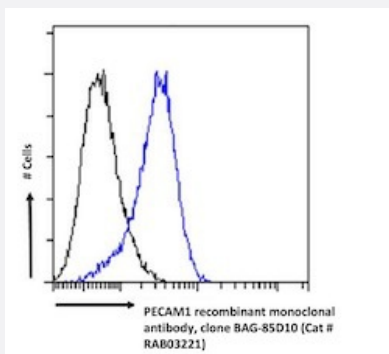
Applications



Immunofluorescence

Immunofluorescent staining of K562 cells with PECAM1 recombinant monoclonal antibody, clone BAG-85D10 (Cat # RAB03221).

Immunofluorescence analysis of paraformaldehyde fixed K562 cells on Shi-fix™ coverslips stained with the chimeric r version of RAB03221 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right- top-bottom RAB03221- DAPI- merged channels and an isotype control. The isotype control was an unknown specificity antibody (.1) followed by staining with Alexa Fluor® 488 secondary antibody.



Flow Cytometry

Flow cytometric analysis of Jurkat cells with PECAM1 recombinant monoclonal antibody, clone BAG-85D10 (Cat # RAB03221).

Jurkat cells were stained with anti-unknown specificity antibody (3.0; isotype control- black line) or the r version of RAB03221 (blue line) at a dilution of 1:100 for 1h at RT. After washing- the bound antibody was detected using a goat anti-r AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PECAM1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against human peripheral blood lymphocytes from a patient with high numbers of gamma-delta T cells.

Reactivity	Human
Form	Liquid
Isotype	IgG
Recommend Usage	Flow Cytometry Immunofluorescence Immunohistochemistry The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS with 0.02% Proclin 300
Storage Instruction	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry

- Immunofluorescence

Immunofluorescent staining of K562 cells with PECAM1 recombinant monoclonal antibody, clone BAG-85D10 (Cat # RAB03221).

Immunofluorescence analysis of paraformaldehyde fixed K562 cells on Shi-fix™ coverslips stained with the chimeric r version of RAB03221 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right- top-bottom RAB03221- DAPI- merged channels and an isotype control. The isotype control was an unknown specificity antibody (.1) followed by staining with Alexa Fluor® 488 secondary antibody.

- Flow Cytometry

Flow cytometric analysis of Jurkat cells with PECAM1 recombinant monoclonal antibody, clone BAG-85D10 (Cat # RAB03221). Jurkat cells were stained with anti-unknown specificity antibody (3.0; isotype control- black line) or the r version of RAB03221 (blue line) at a dilution of 1:100 for 1h at RT. After washing- the bound antibody was detected using a goat anti-r AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

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

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](#)