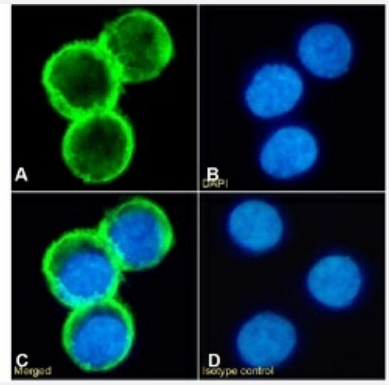
RecomAb™

CD81 recombinant monoclonal antibody, clone 1.3.3.22

Catalog # RAB03345 Size 200 ug

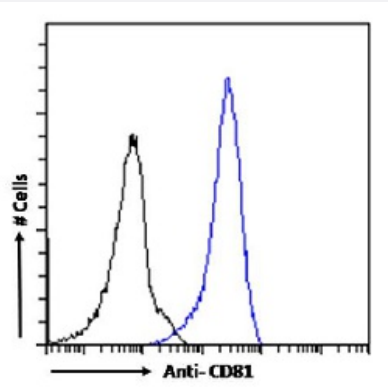
Applications

Immunofluorescence



Immunofluorescent staining of Daudi cells with CD81 recombinant monoclonal antibody, clone 1.3.3.22 (Cat # RAB03345).
Immunofluorescence analysis of paraformaldehyde Daudi cells fixed on Shi-fix™ coverslips stained with the chimeric r version of RAB03345 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). The isotype control was stained with an unknown specificity antibody followed by staining with Alexa Fluor® 488 secondary antibody.
(A) RAB03345
(B) DAPI
(C) Merged channels
(D) Isotype control

Flow Cytometry



Flow cytometric analysis of Daudi cells with CD81 recombinant monoclonal antibody, clone 1.3.3.22 (Cat # RAB03345).
Paraformaldehyde fixed Daudi cells were stained with anti-unknown specificity antibody (isotype control-black line) or the r version of RAB03345 (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 CD81.
Antibody Species	Rabbit

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Immunogen	Original antibody is raised against a B-Cell line derived from a Burkitt lymphoma.
Reactivity	Human, Mouse, Rat
Form	Liquid
Conjugation	Unconjugated
Preparation Method	Mammalian cell (HEK293) expression system
Concentration	batch dependent
Isotype	IgG, kappa
Recommend Usage	Flow Cytometry Immunofluorescence Immunohistochemistry Western Blot 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 Daudi cells with CD81 recombinant monoclonal antibody, clone 1.3.3.22 (Cat # RAB03345). Immunofluorescence analysis of paraformaldehyde Daudi cells fixed on Shi-fix™ coverslips stained with the chimeric r version of RAB03345 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). The isotype control was stained with an unknown specificity antibody followed by staining with Alexa Fluor® 488 secondary antibody.
  (A) RAB03345
  (B) DAPI
  (C) Merged channels
  (D) Isotype control

- Flow Cytometry

  Flow cytometric analysis of Daudi cells with CD81 recombinant monoclonal antibody, clone 1.3.3.22 (Cat # RAB03345). Paraformaldehyde fixed Daudi cells were stained with anti-unknown specificity antibody (isotype control-black line) or the r version of RAB03345 (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.

- Western Blot

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Gene Info — CD81

Entrez GeneID	975
Gene Name	CD81
Gene Alias	S5.7, TAPA1, TSPAN28
Gene Description	CD81 molecule
Omim ID	186845
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. [provided by RefSeq
Other Designations	26 kDa cell surface protein TAPA-1|CD81 antigen|CD81 antigen (target of antiproliferative antibody 1)|target of antiproliferative antibody 1

Pathway

- B cell receptor signaling pathway

Disease

- Atherosclerosis
- Carcinoma
- Genetic Predisposition to Disease
- Hematologic Diseases
- Hepatitis C
- Hodgkin Disease
- Kidney Failure

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- Liver Neoplasms
- Lung Neoplasms
- Lymphoproliferative Disorders
- Multiple Myeloma
- Obesity
- Occupational Diseases
- Pulmonary Disease
- Urinary Bladder Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome

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