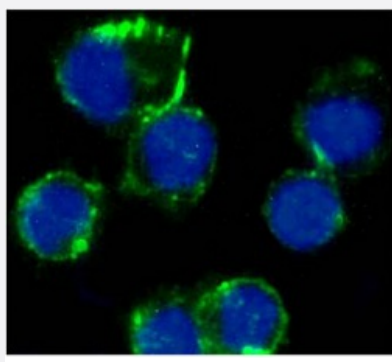


RecomAb™

CD81 recombinant monoclonal antibody, clone 1D6

Catalog # RAB03346 Size 200 ug

Applications



Immunofluorescence

Immunofluorescent staining of Jurkat cells with CD81 recombinant monoclonal antibody, clone 1D6 (Cat # RAB03346).

Immunofluorescence analysis of paraformaldehyde Jurkat cells fixed on Shi-fix™ coverslips, permeabilized with 0.15% Triton stained with the chimeric mouse IgG1 version of RAB03346 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 Alexa Fluor® 488 secondary antibody.

Specification

Product Description	Mouse recombinant monoclonal antibody raised against human CD81.
Antibody Species	Mouse
Immunogen	Original antibody is raised against 5A6-aggregated OCI-LY8 B cells.
Reactivity	Chimpanzee, Goat, Human, Sheep
Form	Liquid
Conjugation	Unconjugated
Concentration	batch dependent
Isotype	IgG1, kappa

Recommend Usage

ELISA
Flow Cytometry
Functional Study
Immunocytochemistry
Immunofluorescence
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
Immunoprecipitation
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

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunocytochemistry
- Immunofluorescence

Immunofluorescent staining of Jurkat cells with CD81 recombinant monoclonal antibody, clone 1D6 (Cat # RAB03346). Immunofluorescence analysis of paraformaldehyde Jurkat cells fixed on Shi-fix™ coverslips, permeabilized with 0.15% Triton stained with the chimeric mouse IgG1 version of RAB03346 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 Alexa Fluor® 488 secondary antibody.

- Immunoprecipitation
- Enzyme-linked Immunoabsorbent Assay
- Functional Study
- Flow Cytometry

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](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphoproliferative Disorders](#)

- [Multiple Myeloma](#)
- [Obesity](#)
- [Occupational Diseases](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)