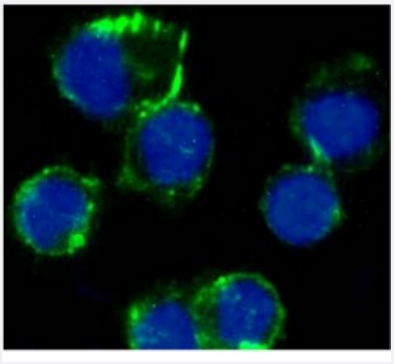
RecomAb™

CD81 recombinant monoclonal antibody, clone 1D6

Catalog # RAB03346 Size 200 ug

Applications



Immunofluorescence

Immunofluorescenct 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
Preparation Method	Mammalian cell (HEK293) expression system
Concentration	batch dependent
Isotype	IgG1, kappa

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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

- Functional Study
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunofluorescence

  Immunofluorescenct 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.
- Immunocytochemistry
- Flow Cytometry
- Enzyme-linked Immunoabsorbent Assay
- Immunoprecipitation
- Western Blot

Gene Info — CD81

Entrez GeneID	975

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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 a s the tetraspanin family. Most of these members are cell-surface proteins that are characterized b y 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 prot ein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to p romote muscle cell fusion and support myotube maintenance. Also it may be involved in signal tra nsduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate g ene for malignancies. [provided by RefSeq
Other Designations	26 kDa cell surface protein TAPA-1|CD81 antigen|CD81 antigen (target of antiproliferative antibo dy 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

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- Multiple Myeloma
- Obesity
- Occupational Diseases
- Pulmonary Disease
- Urinary Bladder Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome

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