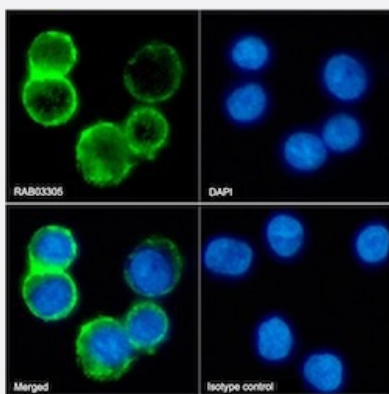


RecomAb™

CD53 recombinant monoclonal antibody, clone 161-2 (53/2)

Catalog # RAB03305 Size 200 ug

Applications



Immunofluorescence

Immunofluorescent staining of Daudi cells with CD53 recombinant monoclonal antibody, clone 161-2 (53/2) (Cat # RAB03305).

Immunofluorescence analysis of paraformaldehyde fixed Daudi cells on Shi-fix™ coverslips stained with the chimeric r version of RAB03305 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 RAB03305- DAPI- merged channels and an isotype control. The isotype control was an unknown specificity antibody (3.0) followed by staining with Alexa Fluor® 488 secondary antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CD53.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against stimulated human leukocytes.
Reactivity	Human
Form	Liquid
Isotype	IgG kappa
Recommend Usage	Flow Cytometry Functional Study Immunofluorescence The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% Proclin 300)

Storage Instruction

Store at 4°C for 3 months. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Immunofluorescence

Immunofluorescent staining of Daudi cells with CD53 recombinant monoclonal antibody, clone 161-2 (53/2) (Cat # RAB03305). Immunofluorescence analysis of paraformaldehyde fixed Daudi cells on Shi-fix™ coverslips stained with the chimeric r version of RAB03305 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 RAB03305- DAPI- merged channels and an isotype control. The isotype control was an unknown specificity antibody (3.0) followed by staining with Alexa Fluor® 488 secondary antibody.

- Functional Study

- Flow Cytometry

Gene Info — CD53

Entrez GeneID [963](#)

Gene Name CD53

Gene Alias MOX44, TSPAN25

Gene Description CD53 molecule

Omim ID [151525](#)

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. It contributes to the transduction of CD2-generated signals in T cells and natural killer cells and has been suggested to play a role in growth regulation. Familial deficiency of this gene has been linked to an immunodeficiency associated with recurrent infectious diseases caused by bacteria, fungi and viruses. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq]

Other Designations

CD53 antigen|CD53 glycoprotein|CD53 tetraspan antigen|OTTHUMP00000013686|OTTHUMP0000059505|antigen MOX44 identified by monoclonal antibody MRC-OX44|cell surface antigen|eukocyte surface antigen CD53|tetraspanin-25|transmembrane glycoprotein

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)