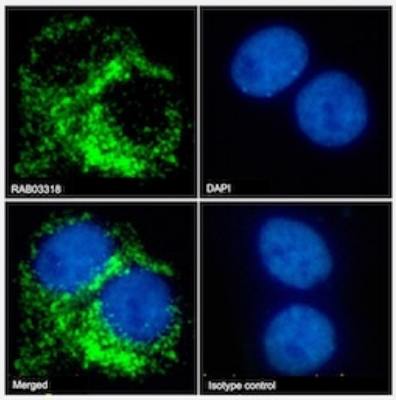
RecomAb™

CD63 recombinant monoclonal antibody, clone MOF11

Catalog # RAB03318 Size 200 ug

Applications



Immunofluorescence

Immunofluorescent staining of A431 cells with CD63 recombinant monoclonal antibody, clone MOF11 (Cat # RAB03318).
A431 cells on Shi-fix™ coverslips stained with the chimeric r version of RAB03318 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 RAB03318- 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	Mouse recombinant monoclonal antibody raised against human CD63.
Antibody Species	Mouse
Immunogen	Original antibody is raised against human monocytes.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Isotype	IgG1 kappa
Recommend Usage	Flow Cytometry Immunofluorescence The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% Proclin 300)

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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 A431 cells with CD63 recombinant monoclonal antibody, clone MOF11 (Cat # RAB03318). A431 cells on Shi-fix™ coverslips stained with the chimeric r version of RAB03318 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 RAB03318- 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.

- Flow Cytometry

Gene Info — CD63

Entrez GeneID	967
Gene Name	CD63
Gene Alias	LAMP-3, ME491, MLA1, OMA81H, TSPAN30
Gene Description	CD63 molecule
Omim ID	155740
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. It may function as a blood platelet activation marker. Deficiency of this protein is associated with Hermansky-Pudlak syndro me. Also this gene has been associated with tumor progression. The use of alternate polyadenyla tion sites has been found for this gene. Alternative splicing results in multiple transcript variants en coding different proteins. [provided by RefSeq
Other Designations	CD63 antigen|CD63 antigen (melanoma 1 antigen)|granulophysin|lysosome-associated membra ne glycoprotein 3|melanoma 1 antigen|melanoma-associated antigen ME491|melanoma-associat ed antigen MLA1|ocular melanoma-associated antigen|tetraspanin-30

Pathway

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- Lysosome

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