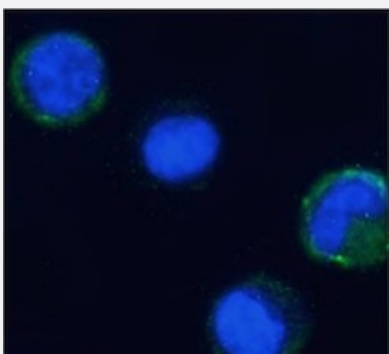


RecomAb™

ITGA4 recombinant monoclonal antibody, clone 21.6

Catalog # RAB03656 Size 200 ug

Applications



Immunofluorescence

Immunofluorescent staining of K562 cells with ITGA4 recombinant monoclonal antibody, clone 21.6 (Cat # RAB03056).

Immunofluorescence analysis of paraformaldehyde fixed K562 cells on Shi-fix™ coverslips- permeabilized with 0.15% Triton and stained with the chimeric r version of RAB03056 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (1 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue). The isotype control was stained with an anti-Fluorescein antibody followed by Alexa Fluor® 488 secondary antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ITGA4.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human ITGA4.
Reactivity	Human
Form	Liquid
Conjugation	Unconjugated
Concentration	batch dependent
Isotype	IgG kappa

Recommend Usage	Blocking ELISA Immunofluorescence The optimal working dilution should be determined by the end user.
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Storage Buffer	In PBS with 0.02% Proclin 300
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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.
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Applications

- Immunofluorescence

Immunofluorescent staining of K562 cells with ITGA4 recombinant monoclonal antibody, clone 21.6 (Cat # RAB03056). Immunofluorescence analysis of paraformaldehyde fixed K562 cells on Shi-fix™ coverslips- permeabilized with 0.15% Triton and stained with the chimeric r version of RAB03056 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (1 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue). The isotype control was stained with an anti-Fluorescein antibody followed by Alexa Fluor® 488 secondary antibody.

- Enzyme-linked Immunoabsorbent Assay

- Blocking

Gene Info — ITGA4

Entrez GeneID	3676
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Gene Name	ITGA4
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Gene Alias	CD49D, IA4, MGC90518
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Gene Description	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)
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Omim ID	192975
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Gene Ontology	Hyperlink
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Gene Summary	The product of this gene belongs to the integrin alpha chain family of proteins. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes an alpha 4 chain. Unlike other integrin alpha chains, alpha 4 neither contains an I-domain, nor undergoes disulfide-linked cleavage. Alpha 4 chain associates with either beta 1 chain or beta 7 chain. [provided by RefSeq]
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Other Designations	269C wild type antigen CD49D, alpha-4 subunit of VLA-4 receptor integrin alpha 4 integrin alpha-4 subunit very late activation protein 4 receptor, alpha 4 subunit
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Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Hematopoietic cell lineage](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Leukocyte transendothelial migration](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Multiple Sclerosis](#)
- [Neurogenic Inflammation](#)
- [Tobacco Use Disorder](#)