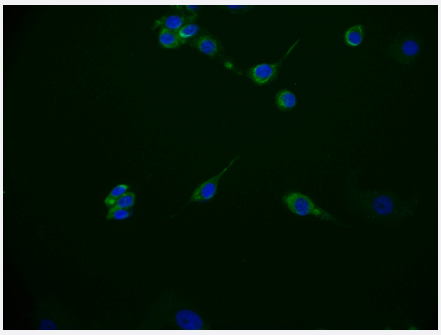
RecomAb™ Sm Size

ITGA6 recombinant monoclonal antibody, clone 4G10

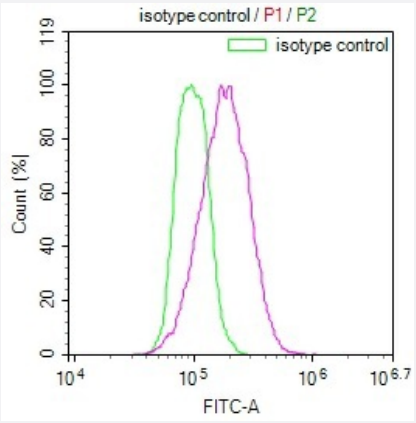
Catalog # RAB08396 Size 50 uL

Applications



Immunofluorescence

Immunofluorescence staining of MCF-7 Cells with ITGA6 recombinant monoclonal antibody, clone 4G10 at 1:50, counter-stained with DAPI.



Flow Cytometry

Overlay Peak curve showing Hela cells stained with ITGA6 recombinant monoclonal antibody, clone 4G10 (red line) at 1:100.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ITGA6.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human ITGA6.
Reactivity	Human
Form	Liquid

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Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) Immunofluorescence(1:20-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence

  Immunofluorescence staining of MCF-7 Cells with ITGA6 recombinant monoclonal antibody, clone 4G10 at 1:50, counter-stained with DAPI.

- Flow Cytometry

  Overlay Peak curve showing Hela cells stained with ITGA6 recombinant monoclonal antibody, clone 4G10 (red line) at 1:100.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ITGA6

Entrez GeneID	3655
Protein Accession#	P23229
Gene Name	ITGA6
Gene Alias	CD49f, DKFZp686J01244, FLJ18737, ITGA6B, VLA-6
Gene Description	integrin, alpha 6
Omim ID	147556 226730
Gene Ontology	Hyperlink

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Gene Summary	The ITGA6 protein product is the integrin alpha chain alpha 6. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. For example, alpha 6 may combine with beta 4 in the integrin referred to as TSP180, or with beta 1 in the integrin VLA-6. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	integrin alpha chain, alpha 6|integrin alpha6B

Pathway

- Arrhythmogenic right ventricular cardiomyopathy (ARVC)
- Cell adhesion molecules (CAMs)
- ECM-receptor interaction
- Focal adhesion
- Hematopoietic cell lineage
- Hypertrophic cardiomyopathy (HCM)
- Pathways in cancer
- Regulation of actin cytoskeleton
- Small cell lung cancer

Disease

- Breast cancer
- Breast Neoplasms
- Coronary Artery Disease
- Disease Susceptibility
- Genetic Predisposition to Disease
- Ovarian Neoplasms
- Prostatic Neoplasms

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