ITGA4 monoclonal antibody, clone ALC1/1

Catalog # MAB4988 Size 1 mg

Specification

Product Description	Mouse monoclonal antibody raised against native ITGA4.
Immunogen	Cell preparation of JM leukemia line.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1
Recommend Usage	Flow Cytometry (20 uL/10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In buffer containing 1% BSA, pH 7.2 (0.09% sodium azide).
Storage Instruction	Store in the dark at 4°C. Avoid prolonged exposure to light.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence
- Flow Cytometry

Gene Info — ITGA4

Entrez GeneID	3676

Gene Name	ITGA4
Gene Alias	CD49D, IA4, MGC90518
Gene Description	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)
Omim ID	192975
Gene Ontology	Hyperlink
Gene Summary	The product of this gene belongs to the integrin alpha chain family of proteins. Integrins are hetero dimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene enc odes an alpha 4 chain. Unlike other integrin alpha chains, alpha 4 neither contains an I-domain, no r undergoes disulfide-linked cleavage. Alpha 4 chain associates with either beta 1 chain or beta 7 chain. [provided by RefSeq
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

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