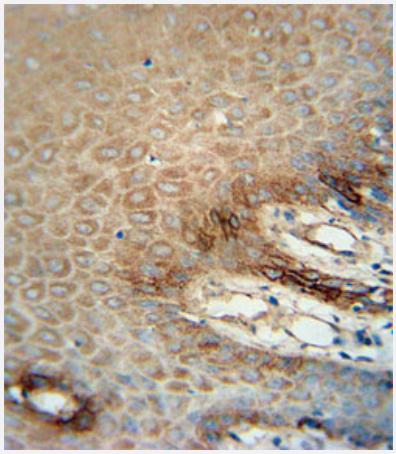
# ITGA6 monoclonal antibody, clone 129CT49.6.5

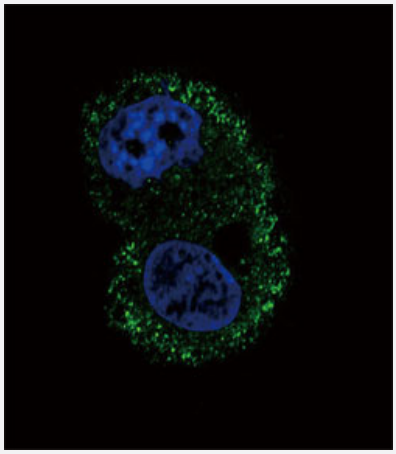
Catalog # MAB12290 Size 400 uL

## Applications



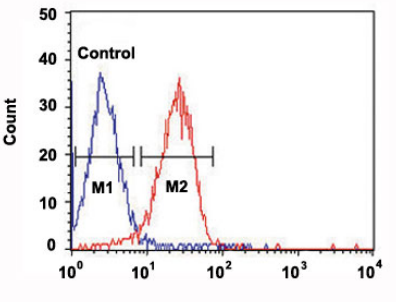
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin-fixed and paraffin-embedded human skin carcinoma reacted with ITGA6 monoclonal antibody (Cat # MAB12290) at 1:10-1:50 dilution.



### Immunofluorescence

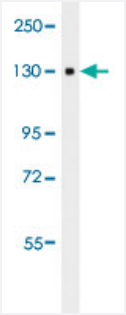
Immunofluorescent staining of HepG2 cell reacted with ITGA6 monoclonal antibody (Cat # MAB12290) at 1:10-1:50 dilution.




### Flow Cytometry

Flow cytometric analysis of HepG2 cells (right histogram) and a negative control cell (left histogram) reacted with ITGA6 monoclonal antibody (Cat # MAB12290) at 1:10-1:50 dilution.

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## Western Blot (Cell lysate)

Western blot analysis of HepG2 cell line lysates reacted with ITGA6 monoclonal antibody (Cat # MAB12290) at 1:100-1:16000 dilution.

## Specification

| | |
|---|---|
| **Product Description** | Mouse monoclonal antibody raised against human ITGA6. |
| **Immunogen** | Recombinant protein corresponding to human ITGA6. |
| **Host** | Mouse |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Protein G purification |
| **Isotype** | IgG1 |
| **Recommend Usage** | Flow Cytometry (1:10-1:50)<br>Immunohistochemistry (1:10-1:50)<br>Immunofluorescence (1:10-1:50)<br>Western Blot (1:100-1:16000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS (0.09% sodium azide) |
| **Storage Instruction** | Store at 4°C. For long term storage store at -20°C.<br>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

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of formalin-fixed and paraffin-embedded human skin carcinoma reacted with ITGA6 monoclonal antibody (Cat # MAB12290) at 1:10-1:50 dilution.

- Immunofluorescence

  Immunofluorescent staining of HepG2 cell reacted with ITGA6 monoclonal antibody (Cat # MAB12290) at 1:10-1:50 dilution.

- Flow Cytometry

  Flow cytometric analysis of HepG2 cells (right histogram) and a negative control cell (left histogram) reacted with ITGA6 monoclonal antibody (Cat # MAB12290) at 1:10-1:50 dilution.

- Western Blot (Cell lysate)

  Western blot analysis of HepG2 cell line lysates reacted with ITGA6 monoclonal antibody (Cat # MAB12290) at 1:100-1:16000 dilution.

## Gene Info — ITGA6

| | |
|---|---|
| **Entrez GeneID** | 3655 |
| **Gene Name** | ITGA6 |
| **Gene Alias** | CD49f, DKFZp686J01244, FLJ18737, ITGA6B, VLA-6 |
| **Gene Description** | integrin, alpha 6 |
| **Omim ID** | 147556 226730 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The ITGA6 protein product is the integrin alpha chain alpha 6. Integrins are integral cell-surface pr oteins composed of an alpha chain and a beta chain. A given chain may combine with multiple pa rtners 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 c ell 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)

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- 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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