

# Integrin- $\beta$ 1/CD29 Rabbit mAb

Catalog No.: A23497

Recombinant

4 Publications

## Basic Information

**Observed MW**

35kDa

**Calculated MW**

88kDa

**Category**

Primary antibody

**Applications**

WB, IHC-P, IF/ICC, FC, ELISA

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC52470

## Background

Integrins are heterodimeric proteins made up of alpha and beta subunits. At least 18 alpha and 8 beta subunits have been described in mammals. Integrin family members are membrane receptors involved in cell adhesion and recognition in a variety of processes including embryogenesis, hemostasis, tissue repair, immune response and metastatic diffusion of tumor cells. This gene encodes a beta subunit. Multiple alternatively spliced transcript variants which encode different protein isoforms have been found for this gene.

## Recommended Dilutions

**WB** 1:10000 - 1:30000**IHC-P** 1:1000 - 1:5000**IF/ICC** 1:100 - 1:400**FC** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1  $\mu$ g/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**

3688

**Swiss Prot**

P05556

**Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

**Synonyms**CD29; FNRB; MDF2; VLAB; GPIIA; MSK12; VLA-BETA; Integrin- $\beta$ 1/CD29

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

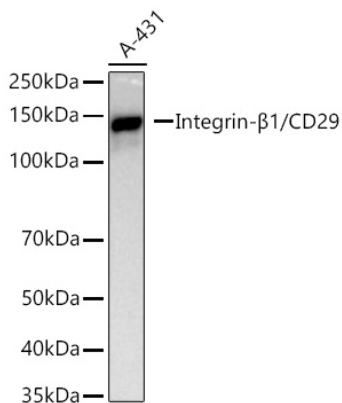
Affinity purification

**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



Western blot analysis of lysates from A-431 cells using Integrin-β1/CD29 Rabbit mAb (A23497) at 1:22000 dilution incubated overnight at 4°C.

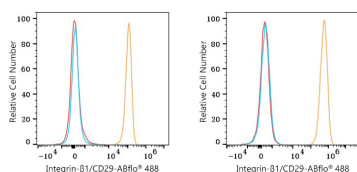
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

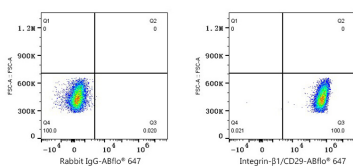
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

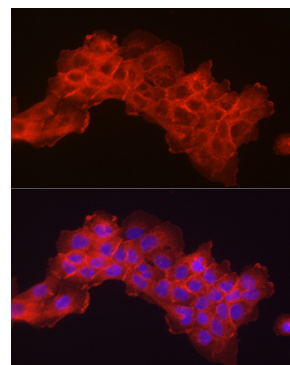
Exposure time: 30s.



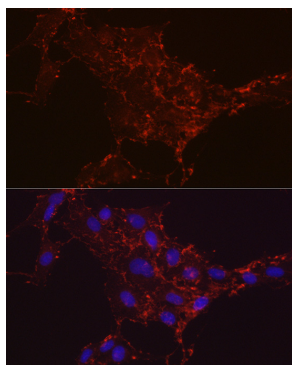
Flow cytometry:  $1 \times 10^6$  HL-60 cells (Low Expression, left) and A549 cells (right) were surface-stained with Rabbit anti-Human Integrin-β1/CD29 mAb (A27614, 2 µg/mL, orange line) or Rabbit IgG isotype control (AC042, 2 µg/mL, blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



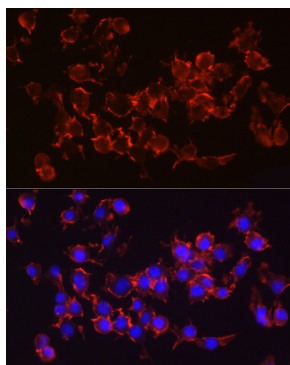
Flow cytometry:  $1 \times 10^6$  A549 cells were surface-stained with Rabbit IgG isotype control (AC042, 2 µg/mL, left) or Rabbit anti-Human Integrin-β1/CD29 mAb (A27614, 2 µg/mL, right), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining.



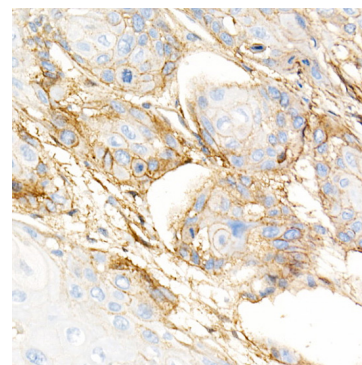
Immunofluorescence analysis of A-431 cells using Integrin-β1/CD29 Rabbit mAb (A23497) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



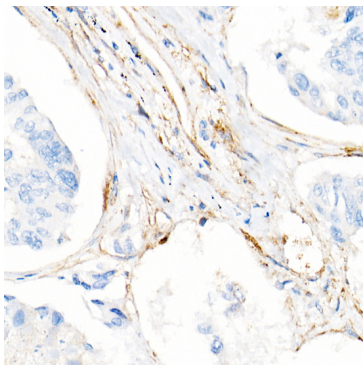
Immunofluorescence analysis of C6 cells using Integrin-β1/CD29 Rabbit mAb (A23497) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Neuro-2a cells using Integrin-β1/CD29 Rabbit mAb (A23497) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Human esophageal cancer using Integrin-β1/CD29 Rabbit mAb (A23497) at dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using Integrin- $\beta$ 1/CD29 Rabbit mAb (A23497) at dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.