

Integrin- β 1/CD29 Rabbit mAb

Catalog No.: A23497 **Recombinant** **6 Publications**

Basic Information

Observed MW

135 kDa

Calculated MW

88 kDa

Category

Primary antibody

Applications

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

Cross-Reactivity

Human

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
IF/ICC	1:500 - 1:1500
IHC-P	1:1000 - 1:5000
FC	1:50 - 1:200
ELISA	Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.

Contact

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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- β 1/CD29

Product Information

Source

Rabbit

Isotype

IgG

Purification

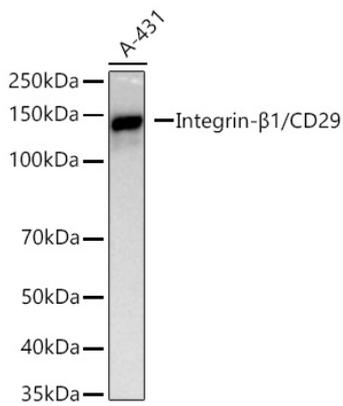
Affinity purification

Storage

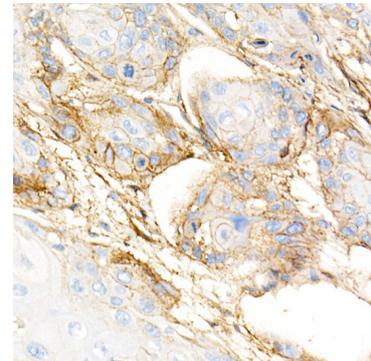
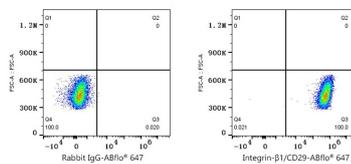
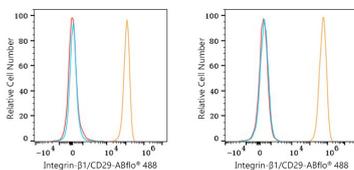
Store at -20°C. Avoid freeze / thaw cycles.

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



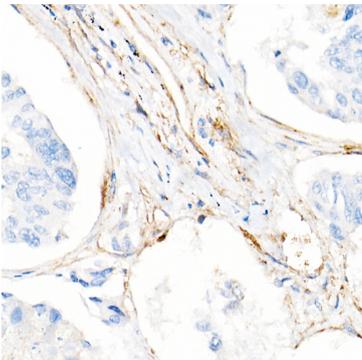
Western blot analysis of lysates from A-431 cells using Integrin-β1/CD29 Rabbit mAb (A23497) at 1:22000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 30s.



Flow cytometry: 1×10^6 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: 1×10^6 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.

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-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.