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Integrin-β1/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 μg/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-β1/CD29

Contact

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Product Information

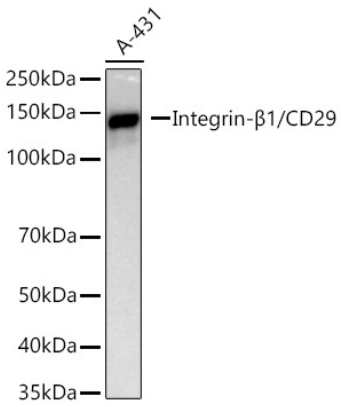
Source
Rabbit

Isotype
IgG

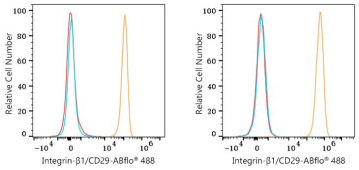
Purification
Affinity purification

Storage
Store at -20℃. 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.

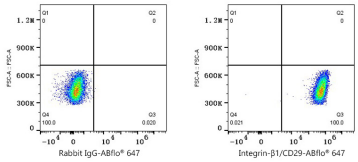
Validation Data



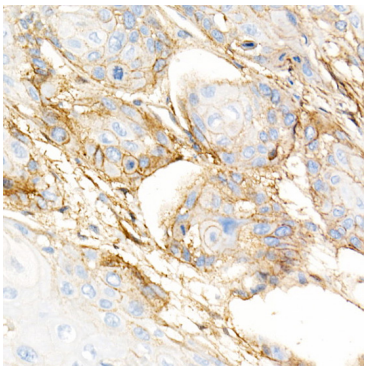
Western blot analysis of lysates from A-431 cells using Integrin-β1/CD29 Rabbit mAb (A23497) at 1:22000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk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



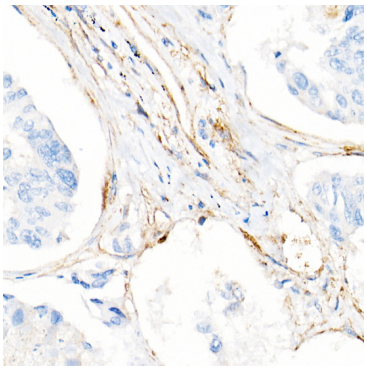
Flow cytometry: 1X10^6 HL-60 cells (Low Expression,left) and A549 cells (right) were surface-stained with Rabbit anti-Human Integrin-β1/CD29 mAb (A27614,2 µg/mL,orange line) or Rabbit IgG isotype control (AC042,2 µg/mL,blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 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.