

APC anti-mouse Integrin α V β 6 Antibody

Catalog# / Size	166309 / 25 μ g 166310 / 100 μ g
Clone	S20012E
Regulatory Status	RUO
Other Names	Integrin alpha V beta 6
Isotype	Rat IgG2b, λ
Description	Integrins are heterodimeric transmembrane receptors that mediate cell-cell and cell-extracellular matrix adhesion. Integrin β 6 associates exclusively with the α V subunit forming an α V β 6 complex that is expressed specifically on epithelial cells. Integrin α V β 6 is a receptor for multiple extracellular matrix (ECM) proteins, including tenascin, fibronectin, and vitronectin. It is also a receptor for the latency-associated peptide (LAP) of TGF- β and is involved in TGF- β activation. Its expression is upregulated during wound healing and in some cancers.

Product Details

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Mouse α V β 6 integrin-transfected cells
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Preparation	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.
Concentration	0.2 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 μ g per million cells in 100 μ L volume. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Red Laser (633 nm)
Application Notes	Clone S20012E does not affect the binding of clone S20012B on target cells. Clone S20012E does not react with mouse integrin α V β 8.
RRID	AB_3698933 (BioLegend Cat. No. 166309) AB_3698933 (BioLegend Cat. No. 166310)

Antigen Details

Structure	Integrins
Distribution	Epithelial cells
Function	Cell adhesion, TGF- β activation

Cell Type Epithelial cells
Biology Area Cell Adhesion, Cell Biology, Immunology
Molecular Family Adhesion Molecules

Antigen References
1. Sheppard D, *et al* 1990. *J Biol Chem*. 265:11502-7.
2. Koivisto L, *et al*. 2018. *Int J Biochem Cell Biol*. 99:186-196.

Gene ID [16410](#)
[16420](#)

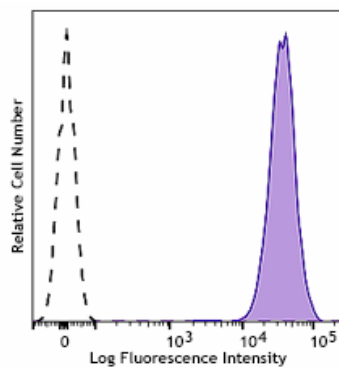
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-mouse Integrin α V β 6, FITC anti-mouse Integrin α V β 6 Antibody, PE anti-mouse Integrin α V β 6 Antibody, APC anti-mouse Integrin α V β 6 Antibody, PE/Cyanine7 anti-mouse Integrin α V β 6

Product Data



Mouse integrin α V β 6 transfected Ba/F3 cells were stained with anti-mouse Integrin α V β 6 (clone S20012E) APC (filled histogram) or rat IgG2b, λ APC isotype control (open histogram)

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