

PE/Cyanine7 anti-mouse Integrin α V β 6 Antibody

Catalog# / Size	166307 / 25 μ g 166308 / 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 PE/Cyanine7 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 \leq 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	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 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_3698932 (BioLegend Cat. No. 166307) AB_3698932 (BioLegend Cat. No. 166308)

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](#)

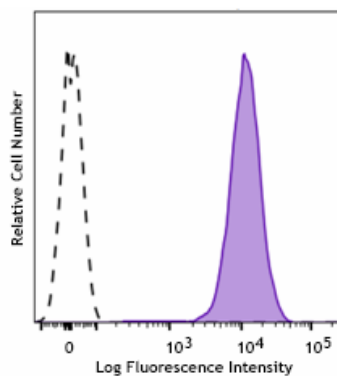
Related Protocols

- [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) PE/Cyanine7 (filled histogram). Open histogram represents unstained cells.

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