

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

Catalog# / Size	117507 / 25 μ g 117508 / 100 μ g
Clone	S20012B
Regulatory Status	RUO
Other Names	Integrin alpha V beta 6
Isotype	Rat IgG1, κ
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 ≤ 0.5 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 S20012B does not affect the binding of clone S20012E on target cells. Clone S20012B does not react with mouse integrin α V β 8.
RRID	AB_3698903 (BioLegend Cat. No. 117507) AB_3698903 (BioLegend Cat. No. 117508)

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](#)

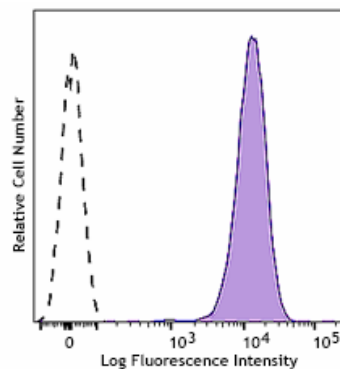
Related Protocols

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

Other Formats

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

Product Data



Mouse integrin α V β 6 transfected Ba/F3 cells were stained with anti-mouse Integrin α V β 6 (clone S20012B) PE/Cyanine7 (filled histogram) or rat IgG1, κ PE/Cyanine7 isotype control (open histogram)

For Research Use Only. Not for diagnostic or therapeutic use.

This product is supplied subject to the terms and conditions, including the limited license, located at www.biolegend.com/terms ("Terms") and may be used only as provided in the Terms. Without limiting the foregoing, BioLegend products may not be used for any Commercial Purpose as defined in the Terms, resold in any form, used in manufacturing, or reverse engineered, sequenced, or otherwise studied or used to learn its design or composition without express written approval of BioLegend. Regardless of the information given in this document, user is solely responsible for determining any license requirements necessary for user's intended use and assumes all risk and liability arising from use of the product. BioLegend is not responsible for patent infringement or any other risks or liabilities whatsoever resulting from the use of its products.

BioLegend, the BioLegend logo, and all other trademarks are property of BioLegend, Inc. or their respective owners, and all rights are reserved.

8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
 Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587