

## APC anti-mouse Integrin $\alpha$ V $\beta$ 8 Antibody

<b>Catalog# / Size</b>	114809 / 25 $\mu$ g 114810 / 100 $\mu$ g
<b>Clone</b>	S20011B
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	Integrin alpha V beta 8
<b>Isotype</b>	Rat IgG1, $\kappa$
<b>Description</b>	Integrins are heterodimeric transmembrane receptors that mediate cell-cell and cell-extracellular matrix adhesion. Integrin $\alpha$ V $\beta$ 8 is also involved in TGF- $\beta$ activation, which contributes to regulatory T cell (Treg) activities.

### Product Details

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<b>Verified Reactivity</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Immunogen</b>	Mouse $\alpha$ V $\beta$ 8 integrin-transfected cells
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.
<b>Concentration</b>	0.2 mg/mL
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is $\leq 0.5$ $\mu$ g per million cells in 100 $\mu$ L volume. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Excitation Laser</b>	Red Laser (633 nm)
<b>Application Notes</b>	Clone S20011B does not affect the binding of clone S20011E on target cells. Clone S20011B does not react with mouse integrin $\alpha$ V $\beta$ 6.
<b>RRID</b>	AB_3662176 (BioLegend Cat. No. 114809) AB_3662176 (BioLegend Cat. No. 114810)

### Antigen Details

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<b>Structure</b>	Integrins
<b>Distribution</b>	Epithelial cells
<b>Function</b>	Cell adhesion, TGF- $\beta$ activation
<b>Cell Type</b>	Epithelial cells, Tregs

<b>Biology Area</b>	Cell Adhesion, Cell Biology, Immuno-Oncology, Immunology
<b>Molecular Family</b>	Adhesion Molecules
<b>Antigen References</b>	1. Moyle M, <i>et al.</i> 1991. <i>J Biol Chem.</i> 266:19650-8
<b>Gene ID</b>	<a href="#">16410</a> <a href="#">320910</a>

## Related Protocols

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

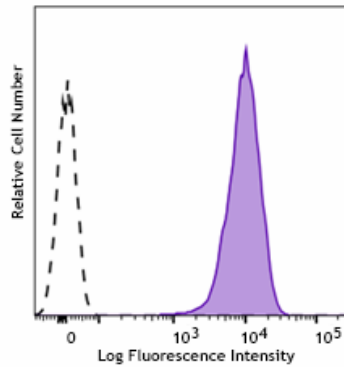
## Other Formats

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Purified anti-mouse Integrin  $\alpha$ V $\beta$ 8, FITC anti-mouse Integrin  $\alpha$ V $\beta$ 8, PE anti-mouse Integrin  $\alpha$ V $\beta$ 8, PE/Cyanine7 anti-mouse Integrin  $\alpha$ V $\beta$ 8, APC anti-mouse Integrin  $\alpha$ V $\beta$ 8

## Product Data

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Mouse integrin  $\alpha$ V $\beta$ 8 transfected Ba/F3 cells were stained with anti-mouse Integrin  $\alpha$ V $\beta$ 8 (clone S20011B) APC (filled histogram) or rat IgG1,  $\kappa$  APC isotype control (open histogram).

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