

## Biotin Anti-Mouse CD51 Antibody[RMV-7]

<b>Catalog No.</b>	E-AB-F1235B	<b>Reactivity</b>	Mouse
<b>Storage</b>	Store at 2~8°C, Avoid freeze / thaw cycles	<b>Applications</b>	FCM

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Antigen Information

<b>Alternate Names</b>	Integrin alpha-V, $\alpha$ V integrin, Vitronectin Receptor, Integrin $\alpha$ V chain, ITGAV
<b>Uniprot ID</b>	P43406
<b>Gene ID</b>	16410
<b>Background</b>	CD51 is a 140 kD protein, also known as $\alpha$ V integrin, vitronectin receptor, and integrin $\alpha$ V. It is a member of the integrin family, expressed on activated T cells, polymorphonuclear granulocytes, platelets, blastocysts, and osteoclasts. CD51 forms heterodimers by association with integrins $\beta$ 1, $\beta$ 3, $\beta$ 5 or $\beta$ 6; these complexes then act as receptors for multiple extracellular matrix proteins (ECM). The $\alpha$ integrin heterodimers have varied functions in development, stimulation/activation and homeostasis. The primary ligands for CD51 complexes are fibronectin, fibrinogen, vitronectin, thrombospondin, von Willebrand factor, and CD31. The RMV-7 antibody has been reported to block binding of CD51 to vitronectin, fibronectin, and CD31 in some cell types, as well as blocking LAK cell cytotoxicity.

### Product Details

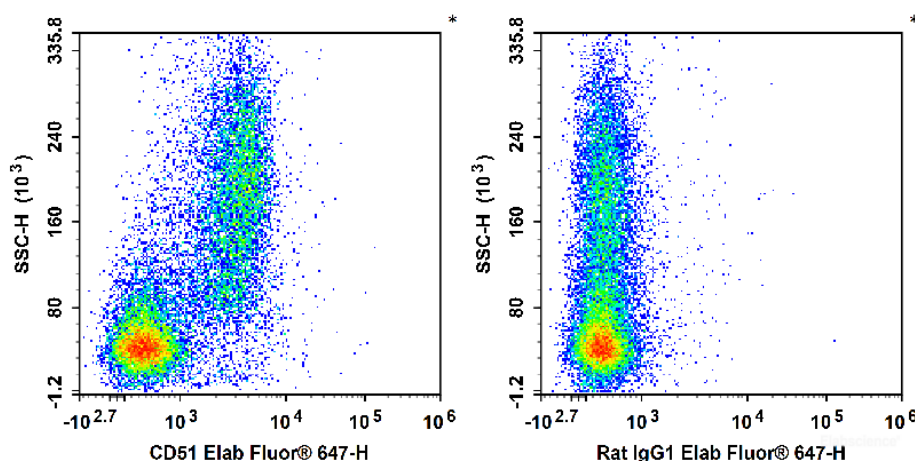
<b>Form</b>	Liquid
<b>Concentration</b>	0.5 mg/mL
<b>Size</b>	25 $\mu$ g/100 $\mu$ g
<b>Clone No.</b>	RMV-7
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG1, $\kappa$
<b>Reactivity</b>	Mouse
<b>Application</b>	FCM
<b>Isotype Control</b>	<a href="#">Biotin Rat IgG1, <math>\kappa</math> Isotype Control[HRPN] [Product E-AB-F09823B]</a>
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
<b>Shipping</b>	Biological ice pack at 4 °C
<b>Stability &amp; Storage</b>	Keep as concentrated solution. Store at 2~8°C .Do not freeze. This product is guaranteed up to one year from purchase.

### For Research Use Only

## Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 1.0 \mu\text{g}$  per  $10^6$  cells in  $100 \mu\text{L}$  volume or  $100 \mu\text{L}$  of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

## Product data



C57BL/6 murine bone marrow cells are stained with Biotin Anti-Mouse CD51 Antibody followed by Streptavidin-Elab Fluor® 647 (Left). Bone marrow cells are stained with Biotin Rat IgG1,  $\kappa$  Isotype Control followed by Streptavidin-Elab Fluor® 647 (Right).

## Related Information

1. Sample Preparation for Flow Cytometry <https://www.elabscience.com/List-detail-5594.html>
2. Staining Cell Surface Targets for Flow Cytometry <https://www.elabscience.com/List-detail-5568.html>
3. Flow Cytometry Troubleshooting Tips <https://www.elabscience.com/List-detail-5593.html>
4. How to select the appropriate detection channel through the spectrogram? <https://www.elabscience.com/List-detail-459742.html>