

Biotin Anti-Mouse CD51 Antibody[RMV-7]

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

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

Antigen Information

Alternate Names	Integrin alpha-V, α V integrin, Vitronectin Receptor, Integrin α V chain, ITGAV
Uniprot ID	P43406
Gene ID	16410
Background	CD51 is a 140 kD protein, also known as α V integrin, vitronectin receptor, and integrin α 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 β 1, β 3, β 5 or β 6; these complexes then act as receptors for multiple extracellular matrix proteins (ECM). The α V 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

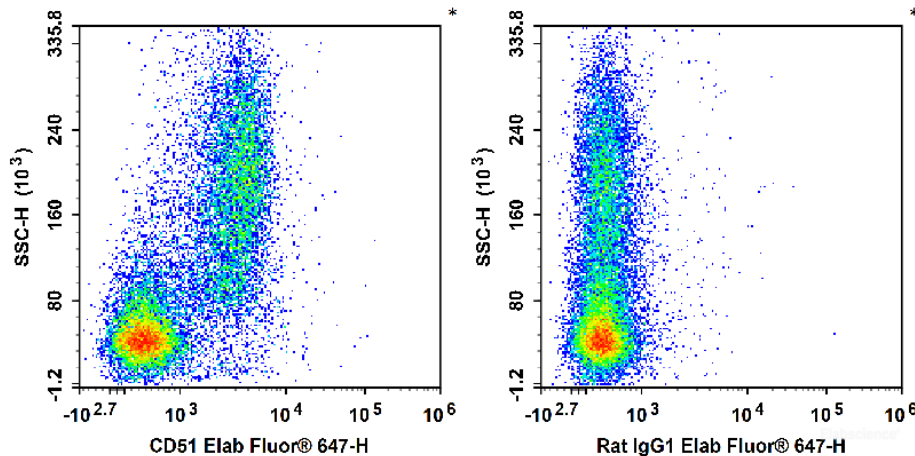
Form	Liquid
Concentration	0.5 mg/mL
Size	25 μ g/100 μ g
Clone No.	RMV-7
Host	Rat
Isotype	Rat IgG1, κ
Reactivity	Mouse
Application	FCM
Isotype Control	Biotin Rat IgG1, κ Isotype Control[HRPN] [Product E-AB-F09823B]
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
Shipping	Biological ice pack at 4 °C
Stability & Storage	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, κ 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>