

Datasheet for ABIN7456695
anti-CD51 antibody (Biotin)



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Overview

Quantity:	25 µg
Target:	CD51 (ITGAV)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This CD51 antibody is conjugated to Biotin
Application:	Flow Cytometry (FACS)

Product Details

Clone:	RMV-7
Isotype:	IgG1, kappa

Target Details

Target:	CD51 (ITGAV)
Alternative Name:	CD51 (ITGAV Products)
Background:	Integrin alpha-V, αV integrin, Vitronectin Receptor, Integrin αV chain, ITGAV, CD51 is a 140 kD protein, also known as αV integrin, vitronectin receptor, and integrin αV. 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 β1, β3, β5 or β6, these complexes then act as receptors for multiple extracellular matrix proteins (ECM). The αV integrin heterodimers have varied functions in development,

Target Details

	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.
Gene ID:	16410
UniProt:	P43406
Pathways:	Cell-Cell Junction Organization , Signaling Events mediated by VEGFR1 and VEGFR2 , Growth Factor Binding , Integrin Complex

Application Details

Application Notes:	For flow cytometric staining, the suggested use of this reagent is $\leq 1.0 \mu\text{g}$ per 10^6 cells in 100 μL volume or 100 μL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Comment:	Matching Isotype Control: Biotin Rat IgG1, κ Isotype Control (ABIN7469820)
Restrictions:	For Research Use only

Handling

Concentration:	0.5 mg/mL
Buffer:	PBS with 0.05 % Proclin300, 1 % BSA
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2~8°C. Do not freeze.