

Datasheet for ABIN7457640
anti-CD51 antibody (PE-Cy7)



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Overview

Quantity:	25 µg
Target:	CD51 (ITGAV)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This CD51 antibody is conjugated to PE-Cy7
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:	Check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 µg/10 ⁶ cells in 100 µL volume].
Comment:	Matching Isotype Control: PE/Cyanine7 Rat IgG1, κ Isotype Control (ABIN7469825)
Restrictions:	For Research Use only

Handling

Concentration:	0.2 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 and protected from prolonged exposure to light. Do not freeze.