

Datasheet for ABIN2661108
anti-CD51 antibody (Biotin)



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1 Image

Overview

Quantity:	50 µg
Target:	CD51 (ITGAV)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This CD51 antibody is conjugated to Biotin
Application:	Immunofluorescence (IF), Intracellular Flow Cytometry (ICFC)

Product Details

Clone:	RMV-7
Isotype:	IgG1 kappa
Purification:	The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

Target Details

Target:	CD51 (ITGAV)
Alternative Name:	CD51 (ITGAV Products)
Background:	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

Target Details

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.

Pathways: [Cell-Cell Junction Organization](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Growth Factor Binding](#), [Integrin Complex](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

Buffer: Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.

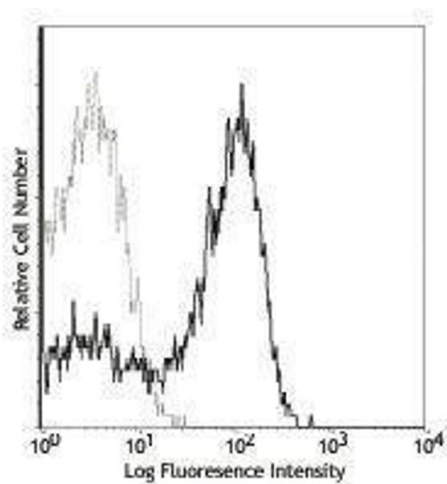
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Do not freeze.

Storage: 4 °C

Storage Comment: The antibody solution should be stored undiluted between 2°C and 8°C.



Flow Cytometry

Image 1.