

Datasheet for ABIN2663520  
**anti-CD51 antibody (PE)**



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3 Images

## Overview

Quantity:	50 µg
Target:	CD51 (ITGAV)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This CD51 antibody is conjugated to PE
Application:	Western Blotting (WB), Flow Cytometry (FACS)

## Product Details

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

## Target Details

Target:	CD51 (ITGAV)
Alternative Name:	CD51 ( <a href="#">ITGAV Products</a> )
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 β 1, β3, β5 or β6, these complexes then act as receptors for multiple extracellular matrix

## Target Details

proteins (ECM). The  $\alpha$ 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: 0.2 mg/mL

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

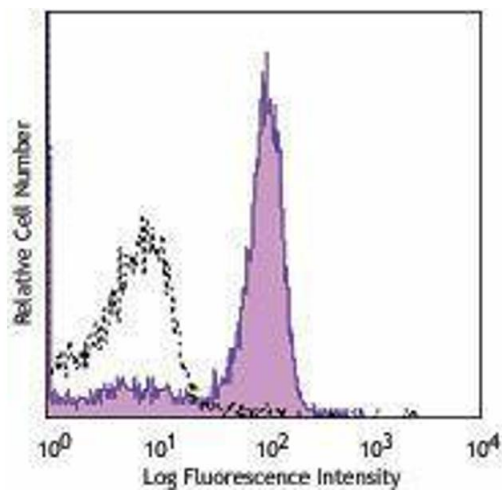
Preservative: Sodium azide

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

Handling Advice: Protect from prolonged exposure to light. Do not freeze.

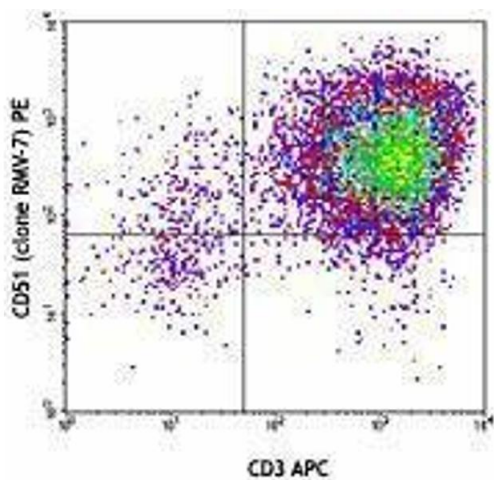
Storage: 4 °C

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



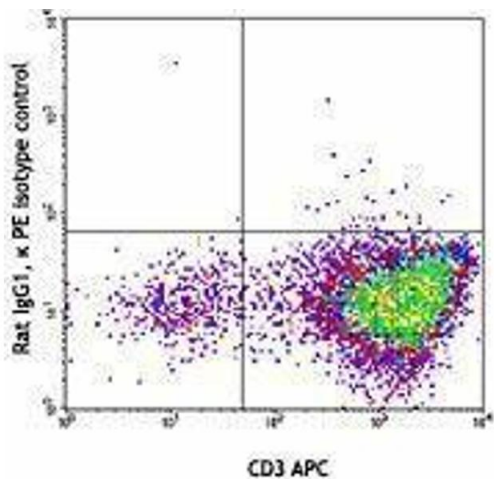
Flow Cytometry

Image 1.



Flow Cytometry

Image 2.



Flow Cytometry

Image 3.