OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM05569PU-L

CD51 / ITGAV Rat Monoclonal Antibody [Clone ID: RMV-7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	RMV-7
Applications:	FC, IHC, IP
Recommended Dilution:	Flow Cytometry: 1/25 - 1/100. Immunohistochemistry on frozen sections: 1/25 - 1/100. Immunoprecipitation.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	cultured LAK cells from Balb/c mice.
Specificity:	This antibody recognises CD51. 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.
Formulation:	Phosphate buffered saline pH7.4 containing 0,09% sodium azide State: Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	integrin alpha V
Database Link:	Entrez Gene 16410 Mouse P43406

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Background: CD51 is a 140 kD alpha subunit of the vitronectin receptor, which is otherwise known as the intergrin alpha v chain. CD51 can form heterodimers at the cell surface with a variety of beta integrins including CD29 and CD61. Heterodimers of CD51/CD61 functions as a receptor for vitronectin, and a wide array of RGD-containing proteins including fibronectin, fibrinogen, von Willebrand factor, laminin, thrombospondin and osteopontin. CD51/CD61 is primarily expressed on myeloid cells and activated T-cells. Alpha-V integrins may play a role in embryo implantation, angiogenesis and wound healing.

Synonyms: Integrin alpha-V, MSK8, VNRA, Vitronectin receptor subunit alpha