

Product datasheet for **AM05569PU-N**

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: Use 10 µl of 1/10-1/100 diluted antibody to label 10e6 cells in 100 µl. Immunoprecipitation. Immunohistochemistry on Frozen Sections.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Cultured LAK cells from Balb/c mice.
Specificity:	This antibody recognizes 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. We recommend the use of AM05569LE-N for this purpose.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative State: Purified State: Liquid purified IgG fraction
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 integrin 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