

Product datasheet for **AM05569LE-N**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	RMV-7
Applications:	FC, FN, IP
Recommended Dilution:	Flow Cytometry: 1/10 - 1/100. Immunoprecipitation. Functional Assays.
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 State: Low Endotoxin State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. 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