

Monoclonal Antibody to CD51 / ITGAV - PE

Alternate names:	Integrin alpha-V, MSK8, VNRA, Vitronectin receptor subunit alpha
Catalog No.:	AM05569RP-N
Quantity:	100 Tests
Concentration:	0.1mg/ml
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.
Uniprot ID:	P43406
NCBI:	10090
Host / Isotype:	Rat / IgG1
Clone:	RMV-7
Immunogen:	cultured LAK cells from Balb/c mice.
Format:	State: Lyophilised purified IgG Purification: Affinity chromatography on Protein G Buffer System: Phosphate buffered saline pH7.4 containing 0,09% sodium azide Label: PE – R. Phycoerythrin (RPE) Reconstitution: Reconstitute with 1ml distilled water
Applications:	Flow Cytometry: 1/10. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
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. Species: Mouse. Other species not tested.
Storage:	Prior to and following reconstitution store the antibody at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
Caution:	(A full Health and Safety assessment is available upon request) This product contains Sodium Azide: a

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com



POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

General Readings:

1. Takahashi K. et al. (1990) A murine very late activation antigen-like extracellular matrix receptor involved in CD2- and lymphocyte function-associated antigen-1-independent killer-target cell interaction. J. Immunol.145: 4371 - 4379.

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