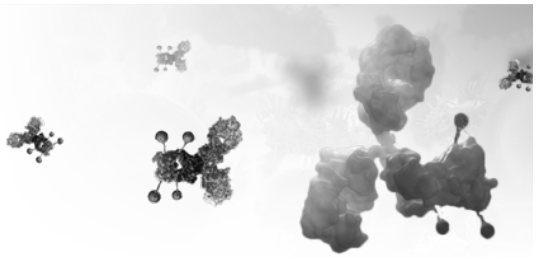

Anti-ITGAV monoclonal antibody, clone RMV-7 [R-PE] (CABT-48145RM)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rat anti Mouse CD51 antibody, clone RMV-7 recognizes murine CD51, 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 function 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. 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. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.
Specificity	ITGAV
Immunogen	cultured LAK cells from Balb/c mice.
Isotype	IgG1
Source/Host	Rat
Species Reactivity	Mouse
Clone	RMV-7
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Size	100 tests

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Preservative	0.09% Sodium Azide
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	Itgav integrin alpha V [Mus musculus (house mouse)]
Official Symbol	ITGAV
Synonyms	ITGAV; integrin alpha V; CD51; 1110004F14Rik; 2610028E01Rik; D430040G12Rik; integrin alpha-V; vitronectin receptor subunit alpha; vitronectin receptor alpha polypeptide (VNRA);
Entrez Gene ID	16410
Protein Refseq	NP_032428
UniProt ID	P43406
Chromosome Location	2 D; 2 49.33 cM
Pathway	Adaptive Immune System; Antigen processing-Cross presentation; Arrhythmogenic right ventricular cardiomyopathy (ARVC); Axon guidance; Cell adhesion molecules (CAMs); Class I MHC mediated antigen processing & presentation; Cross-presentation of particulate exogenous antigens (phagosomes); Developmental Biology;
Function	extracellular matrix binding; extracellular matrix protein binding; fibronectin binding; contributes_to insulin-like growth factor I binding; metal ion binding; contributes_to opsonin binding; peptide binding; protease binding; protein heterodimerization activity; contributes_to protein kinase C binding; receptor binding; voltage-gated calcium channel activity;

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