

Rat anti-Mouse CD51 Monoclonal Antibody | anti-CD51 antibody

RAT ANTI MOUSE CD51

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA49528	Rat	Mouse	Immunoprecipitation, Flow Cytometry, Functional Assay, Immunohistochemistry

PRODUCT SYNONYMS

CD51; Monoclonal Antibody; RAT ANTI MOUSE CD51; anti-CD51 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	RMV-7
Specificity	Rat anti Mouse CD51 antibody, clone RMV-7 recognizes murine CD51, a ~140 kDa 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. Rat anti Mouse CD51 antibody, clone RMV-7 has been reported to block binding of CD51 to vitronectin, fibronectin, and CD31 in some cell types, as well as blocking LAK cell cytotoxicity (Takahashi et al. 1990).
Form/Format	Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Sequence Length	1044
Applicable Applications for anti-CD51 antibody	IP (Immunoprecipitation), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Perservative Stabilisers	0.09% Sodium Azide (NaN3)
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant.
Immunogen	cultured LAK cells from Balb/c mice.
Fusion Partners	Spleen cells from immunised SD rats were fused with the cells of the P3X.63Ag8.653 myeloma cell line.
Buffer Solution	Phosphate buffered saline
Target Species	Mouse
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

NCBI AND UNIPROT INFORMATION

NCBI GI #	154240716
NCBI GeneID	16410
NCBI Accession #	NP_032428.2
NCBI GenBank Nucleotide #	NM_008402.3
UniProt Accession #	P43406; A2AKI6
NCBI Official Full Name	integrin alpha-V
NCBI Official Synonym Full Names	integrin alpha V
NCBI Official Symbol	Itgav
NCBI Official Synonym Symbols	CD51; 1110004F14Rik; 2610028E01Rik; D430040G12Rik
NCBI Protein Information	integrin alpha-V; vitronectin receptor alpha polypeptide (VNRA); vitronectin receptor subunit alpha
UniProt Protein Name	Integrin alpha-V
UniProt Gene Name	Itgav
UniProt Entry Name	ITAV_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd51-antibody-clone-rmv-7-immunoprecipitation-flow-cytometry-immunohistochemistry-elisa/49528>