

Datasheet for ABIN7156469

anti-CD51 antibody (AA 775-885) (Biotin)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD51 (ITGAV)
Binding Specificity:	AA 775-885
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD51 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Integrin alpha-V protein (775-885AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CD51 (ITGAV)
Alternative Name:	ITGAV (ITGAV Products)
Background:	Background: The alpha-V (ITGAV) integrins are receptors for vitronectin, cytotactin, fibronectin, fibrinogen, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin,

Target Details

thrombospondin and vWF. They recognize the sequence R-G-D in a wide array of ligands. ITGAV:ITGB3 binds to fractalkine (CX3CL1) and may act as its coreceptor in CX3CR1-dependent fractalkine signaling (PubMed:23125415). ITGAV:ITGB3 binds to NRG1 (via EGF domain) and this binding is essential for NRG1-ERBB signaling (PubMed:20682778). ITGAV:ITGB3 binds to FGF1 and this binding is essential for FGF1 signaling (PubMed:18441324). ITGAV:ITGB3 binds to IGF1 and this binding is essential for IGF1 signaling (PubMed:19578119). ITGAV:ITGB3 binds to PLA2G2A via a site (site 2) which is distinct from the classical ligand-binding site (site 1) and this induces integrin conformational changes and enhanced ligand binding to site 1 (PubMed:18635536, PubMed:25398877). ITGAV:ITGB3 and ITGAV:ITGB6 act as a receptor for fibrillin-1 (FBN1) and mediate R-G-D-dependent cell adhesion to FBN1 (PubMed:12807887, PubMed:17158881).

Aliases: antigen identified by monoclonal antibody L230 antibody, CD 51 antibody, CD51 antibody, DKFZp686A08142 antibody, Integrin alpha five antibody, integrin alpha V beta 3 antibody, Integrin alpha-5 antibody, integrin alpha-V antibody, Integrin alpha-V light chain antibody, integrin alphaVbeta3 antibody, integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51) antibody, ITAV_HUMAN antibody, ITGAV antibody, MSK 8 antibody, Msk8 antibody, Vitronectin receptor subunit alpha antibody, VNRA antibody, VTNR antibody

UniProt:	P06756
Pathways:	Cell-Cell Junction Organization , Signaling Events mediated by VEGFR1 and VEGFR2 , Growth Factor Binding , Integrin Complex

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.