



[Go to Product page](#)

Datasheet for ABIN678983

anti-CD51 antibody (AA 51-150)

2 Images

3 Publications

Overview

Quantity:	100 µL
Target:	CD51 (ITGAV)
Binding Specificity:	AA 51-150
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD51 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Integrin alpha V
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Pig,Horse,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	CD51 (ITGAV)
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Target Details

Alternative Name:	Integrin alpha V/CD51 (ITGAV Products)
Background:	<p>Synonyms: CD51, MSK8, VNRA, VTNR, Integrin alpha-V, Vitronectin receptor subunit alpha, ITGAV</p> <p>Background: The alpha-V (ITGAV) integrins are receptors for vitronectin, cytotactin, fibronectin, fibrinogen, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin, thrombospondin and vWF. They recognize the sequence R-G-D in a wide array of ligands. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions.</p>
Gene ID:	3685
UniProt:	P06756
Pathways:	Cell-Cell Junction Organization , Signaling Events mediated by VEGFR1 and VEGFR2 , Growth Factor Binding , Integrin Complex

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

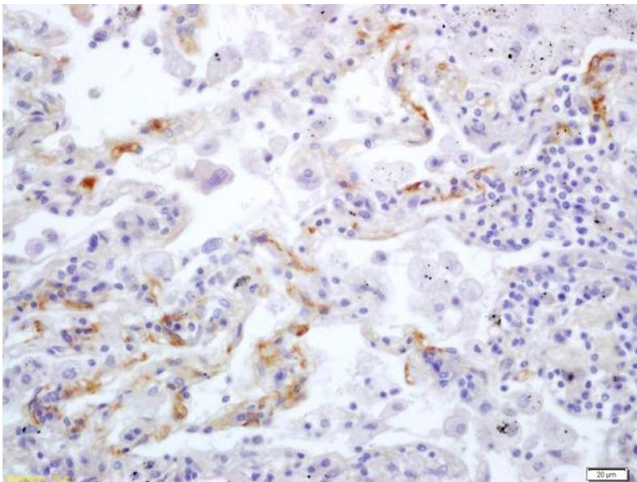
Expiry Date: 12 months

Publications

Product cited in: Agarwal, Loder, Sorkin, Li, Shrestha, Zhao, Mishina, James, Levi: "Analysis of Bone-Cartilage-Stromal Progenitor Populations in Trauma Induced and Genetic Models of Heterotopic Ossification." in: **Stem cells (Dayton, Ohio)**, Vol. 34, Issue 6, pp. 1692-701, (2016) ([PubMed](#)).

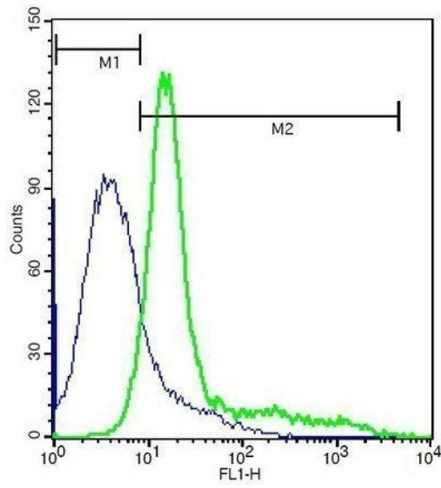
Ulmasov, Neuschwander-Tetri, Lai, Monastyrskiy, Bhat, Yates, Oliva, Prinsen, Ruminski, Griggs: "Inhibitors of Arg-Gly-Asp-Binding Integrins Reduce Development of Pancreatic Fibrosis in Mice." in: **Cellular and molecular gastroenterology and hepatology**, Vol. 2, Issue 4, pp. 499-518, (2016) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human lung carcinoma labeled with Anti Integrin alpha V/CD51 Polyclonal Antibody (ABIN678983), Unconjugated at 1:200, followed by conjugation to the secondary antibody and DAB staining



Flow Cytometry

Image 2. A549 cells probed with Rabbit Anti-Integrin alpha V/CD51 Polyclonal Antibody, FITC Conjugated .