

Datasheet for ABIN671301
anti-ITGA4 antibody (AA 551-650)**3** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	ITGA4
Binding Specificity:	AA 551-650
Reactivity:	Human, Mouse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITGA4 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Integrin alpha 4
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rabbit
Predicted Reactivity:	Rat,Cow,Horse
Purification:	Purified by Protein A.

Target Details

Target:	ITGA4
Alternative Name:	Integrin alpha 4/CD49d (ITGA4 Products)

Target Details

Background:	<p>Synonyms: IA4, CD49D, Integrin alpha-4, CD49 antigen-like family member D, Integrin alpha-IV, VLA-4 subunit alpha, ITGA4</p> <p>Background: Integrins alpha-4/beta-1 (VLA-4) and alpha-4/beta-7 are receptors for fibronectin. They recognize one or more domains within the alternatively spliced CS-1 and CS-5 regions of fibronectin. They are also receptors for VCAM1. Integrin alpha-4/beta-1 recognizes the sequence Q-I-D-S in VCAM1. Integrin alpha-4/beta-7 is also a receptor for MADCAM1. It recognizes the sequence L-D-T in MADCAM1. On activated endothelial cells integrin VLA-4 triggers homotypic aggregation for most VLA-4-positive leukocyte cell lines. It may also participate in cytolytic T-cell interactions with target cells.</p>
Gene ID:	3676
UniProt:	P13612
Pathways:	Integrin Complex

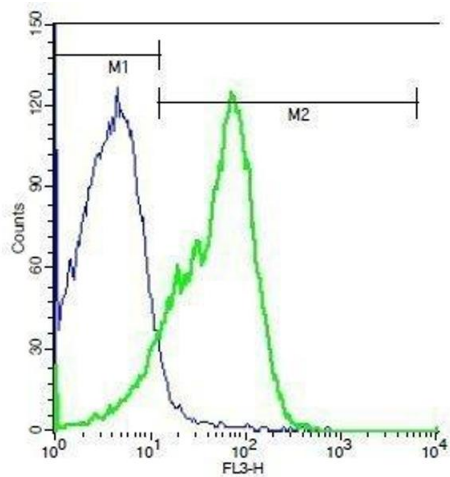
Application Details

Application Notes:	<p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>FCM 1:20-100</p> <p>IHC-P 1:200-400</p>
Restrictions:	For Research Use only

Handling

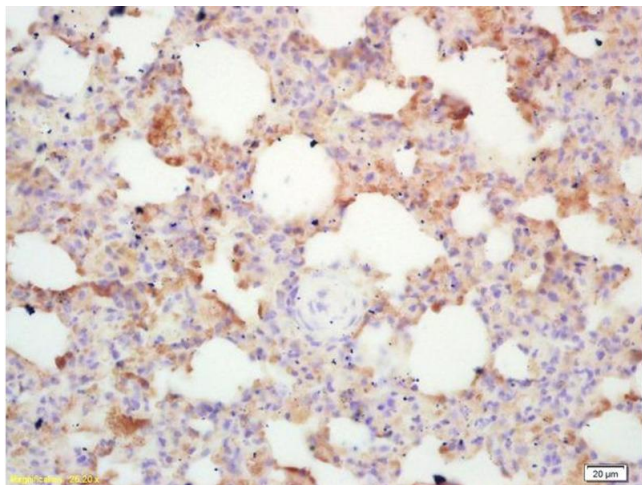
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Product cited in: Lee, Lee, Huang, Chang, Lin, Chien, Yang, Lin: "Comparison of Surface Markers between Human and Rabbit Mesenchymal Stem Cells." in: **PLoS ONE**, Vol. 9, Issue 11, pp. e111390, (2014) ([PubMed](#)).



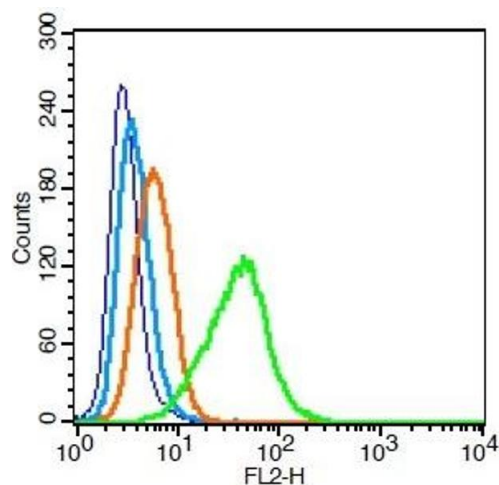
Flow Cytometry

Image 1. Mouse splenocytes probed with Rabbit Anti-Integrin alpha 4/CD49d Polyclonal Antibody, PE-Cy5 Conjugated .



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded mouse lung labeled with Rabbit Anti Integrin alpha 4/CD49d/Integrin ?4 Polyclonal Antibody, Unconjugated (ABIN671301) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Flow Cytometry

Image 3. Human U937 cells probed with Integrin alpha 4/CD49d Antibody, Unconjugated at 0.2ug for 30 minutes followed by incubation with a PE Conjugated secondary (green) for 30 minutes compared to control cells (blue), secondary only (light blue) and isotype control (orange).