

Datasheet for ABIN7156439
anti-ITGA4 antibody (AA 376-558) (Biotin)



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Overview

Quantity:	100 µg
Target:	ITGA4
Binding Specificity:	AA 376-558
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITGA4 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Integrin alpha-4 protein (376-558AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	ITGA4
Alternative Name:	ITGA4 (ITGA4 Products)
Background:	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

Target Details

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. ITGA4:ITGB1 binds to fractalkine (CX3CL1) and may act as its coreceptor in CX3CR1-dependent fractalkine signaling (PubMed:23125415). ITGA4:ITGB1 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).

Aliases: 269C wild type antibody, Antigen CD49D, alpha 4 subunit of VLA 4 receptor antibody, CD49 antigen like family member D antibody, CD49 antigen-like family member D antibody, CD49d antibody, IA4 antibody, Integrin alpha 4 antibody, Integrin alpha 4 subunit antibody, Integrin alpha IV antibody, Integrin alpha-4 antibody, Integrin alpha-IV antibody, Integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA 4 receptor) antibody, ITA4_HUMAN antibody, ITGA4 antibody, MGC90518 antibody, OTTHUMP00000205320 antibody, Very late activation protein 4 receptor, alpha 4 subunit antibody, VLA 4 subunit alpha antibody, VLA-4 subunit alpha antibody, VLA4 antibody

UniProt: [P13612](#)

Pathways: [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.

Storage: -20 °C,-80 °C

Handling

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