

Datasheet for ABIN6722088
anti-ITGA4 antibody (Alexa Fluor 488)



[Go to Product page](#)

Overview

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|--------------|--|
| Quantity: | 20 tests |
| Target: | ITGA4 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This ITGA4 antibody is conjugated to Alexa Fluor 488 |
| Application: | Flow Cytometry (FACS) |

Product Details

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|----------|------------|
| Clone: | 9F10 |
| Isotype: | IgG1 kappa |

Target Details

| | |
|-------------------|---|
| Target: | ITGA4 |
| Alternative Name: | CD49d (ITGA4 Products) |
| Background: | <p>Synonyms: Integrin alpha-4,CD49 antigen-like family member D,Integrin alpha-IV,VLA-4 subunit alpha,CD49d,ITGA4</p> <p>Background: CD49d is a 150 kD α integrin chain known as $\alpha 4$ integrin or VLA-4 α chain. It forms a heterodimer with either integrin $\beta 1$ ($\alpha 4\beta 1$, VLA-4) or $\beta 7$ ($\alpha 4\beta 7$). CD49d is expressed broadly on T lymphocytes, B lymphocytes, monocytes, thymocytes, eosinophils, basophils, mast cells, NK cells, dendritic cells, and some non-hematopoietic cells, but not on normal red blood cells,</p> |

Target Details

platelets or neutrophils. VLA-4 binds to VCAM-1 (CD106) and fibronectin. $\alpha 4\beta 7$ is the receptor for VCAM-1 and MAdCAM-1. CD49d participates in mononuclear cell trafficking to endothelial sites of inflammation and has roles in cell-cell interactions and cell adhesion to extracellular matrices. CD49d is involved in lymphocyte migration, T cell activation, and hematopoietic stem cell differentiation. CD49d is a marker to isolate pure populations of Treg cells due to its absence on Foxp3+ cells.

Gene ID: 3676

UniProt: [P13612](#)

Pathways: [Integrin Complex](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Buffer: PBS with 0.05 % Proclin300, 1 % BSA

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

Storage Comment: Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.