# PE/Cyanine 5 Anti-Human/Mouse VLA-4 (CD49d) Antibody[PS/2]

**Catalog Number:** AN01361G

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

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| **Reactivity** | Human;Mouse |
| **Host** | Rat |
| **Isotype** | Rat IgG2b, κ |
| **Clone No.** | PS/2 |
| **Isotype Control** | PE/Cyanine5 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842G] |
| **Conjugation** | PE/Cyanine 5 |
| **Conjugation Information** | PE/Cyanine 5 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 670 nm (e.g., a 690/50 nm bandpass filter). |
| **Storage Buffer** | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. |

## Applications — Recommended usage

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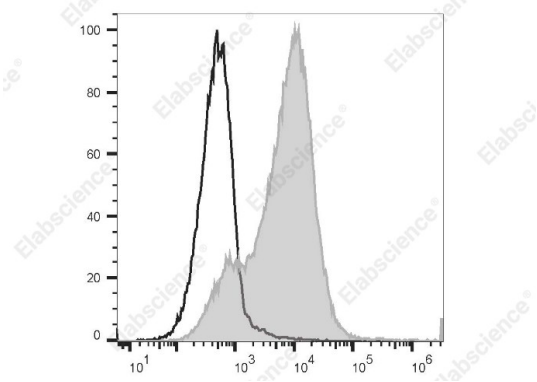
| **FCM** | Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 µL staining volume or per 100 µL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |

## Data




Staining of normal human peripheral blood cells with PE/Cyanine 5 Anti-Human/Mouse VLA-4 (CD49d) Antibody[PS/2] (filled gray histogram) or PE/Cyanine 5 Rat IgG2b, κ Isotype Control (empty black histogram). Cells in the lymphocyte gate were used for analysis.

## Preparation & Storage

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| **Storage** | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze. |
| **Shipping** | Ice bag |

## Antigen Information

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| **Alternate Names** | ITGA4;Integrin alpha 4;Itga4;LPAM alpha;VLA-4 alpha;α4 Integrin |
| **Uniprot ID** | P13612;Q00651 |


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|---|---|
| **Gene ID** | 3676 |
| **Background** | The PS/2 monoclonal antibody reacts with human and mouse VLA-4 α chain also known as CD49d and integrin alpha 4. VLA-4 is a 150 kDa glycoprotein belonging to the integrin family that is expressed by many cell types including T and B lymphocytes, monocytes, eosinophils, basophils, mast cells, thymocytes, NK cells, and dendritic cells. Integrin α4 associates with integrin β7 to form integrin α4β7 also known as LPA M-1 as well as integrin β1 (CD29) to form integrin α4β1 also known as VLA-4. Integrin α 4 plays roles in adhesion and T cell co-stimulation. Integrin α4 ligands include VCAM-1, MAdCAM-1, and fibronectin. The PS/2 antibody is useful for in vivo and in vitro VLA-4 neutralization. |


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