# iFluor™ 670 Anti-mouse/human CD49d Antibody *PS/2*

Catalog number: 104900H0, 104900H1
Unit size: 100 tests, 500 tests

## Product Details

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|---|---|
| Storage Conditions | 2-8°C with minimized light exposure. Do not freeze. |
| Expiration Date | 12 months upon receiving |
| Concentration | 0.1 mg/mL |
| Formulation | Phosphate-buffered saline (PBS, pH 7.2), 0.09% sodium azide, 0.2% (w/v) BSA |

## Antibody Properties

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| Species Reactivity | Mouse, human |
| Class | Primary |
| Clonality | Monoclonal |
| Host | Rat |
| Isotype | Rat igg2b, κ |
| Immunogen | CD49d (VLA-4α, ITGA4, Integrin α4) |
| Clone | PS/2 |
| Conjugate | iFluor™ 670 |

## Biological Properties

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|---|---|
| Preparation | Antibody purified by affinity chromatography and then conjugated with iFluor™ 670 under optimal conditions |
| Application | Flow Cytometry (FACS), Fluorescence Imaging |

## Spectral Properties

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| Conjugate | iFluor™ 670 |
| Excitation Wavelength | 671 nm |
| Emission Wavelength | 682 nm |

## Applications

PS/2 is an anti-mouse/human monoclonal antibody that forms an immune complex with the CD49d antigen. CD49d (sometimes called α4 integrin, Integrin α4 chain, VLA-4 α chain or Integrin alpha-4) is a 150 kD glycoprotein that is found on the surface of cells such as NK cells, dendritic cells and macrophages. CD49d is associated with a variety of biologically interesting macromolecules/ligands, for instance, Paxillin and CD106. CD49d is a fairly uncommon antibody target, with a little more than 3400 publications in the last decade. Even still, CD49d is vital to cell biology and immunology research, frequently serving as a phenotypic marker for differentiating cell types in flow cytometric applications. This

antibody was purified through affinity chromatography and conjugated to iFluor™ 670 (ex/em = 671/682 nm). It is compatible with the 642 nm laser and 664/20 nm bandpass filter (for example, as in the Luminex Guava easyCyte).