

**30-2562: Anti-Mouse CD49d PE (Clone : R1-2)**

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	R1-2
<b>Application :</b>	FACS
<b>Reactivity :</b>	Mouse
<b>Conjugate :</b>	PE
<b>Gene :</b>	Itga4
<b>Gene ID :</b>	16401
<b>Alternative Name :</b>	Itga4, Vla-4 alpha,integrin subunit alpha 4
<b>Isotype :</b>	Rat IgG2b kappa
<b>Immunogen Information :</b>	Murine T lymphoma line TK1

**Description**

CD49d (integrin alpha 4), also known as very late antigen 4 alpha (VLA-4 alpha) is a cell surface glycoprotein constituting integrin complexes. CD49d heterodimerizes with CD29 (integrin beta 1) to form VLA-4 antigen, which is involved in cell-cell and cell-extracellular matrix interactions, which is a receptor for CD106 (VCAM) and fibronectin. CD79d also heterodimerizes with integrin beta 7 to form LPAM-1, which binds to MAdCAM-1 (mucosal vascular addressin). These interactions are important for cell adhesion and activation.

Specificity : The rat monoclonal antibody R1-2 recognizes an extracellular epitope of murine CD49d / Integrin alpha 4 (VLA-4 alpha), an approximately 150 kDa glycoprotein of the integrin family, expressed on multiple blood cell types.

**Product Info**

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
<b>Content :</b>	0.5 mg/ml Formulation : Phosphate buffered saline (PBS) solution with 15 mM sodium azide
<b>Storage condition :</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.