

### 43-1055: Monoclonal Antibody to mouse CD49d (Integrin alpha 4) NALE™ Purified (Clone: R1-2)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	R1-2
<b>Application :</b>	FACS
<b>Reactivity :</b>	Mouse
<b>Gene :</b>	Itga4
<b>Gene ID :</b>	16401
<b>Uniprot ID :</b>	Q00651
<b>Alternative Name :</b>	VLA-4 subunit alpha, CD49 antigen-like family member D, Integrin alpha-IV, Lymphocyte Peyer patch adhesion molecules subunit alpha
<b>Isotype :</b>	Rat IgG2b, kappa

#### Description

The R1-2 monoclonal antibody specifically reacts with mouse CD49d (integrin alpha 4), which forms the VLA-4 complex with CD29 (integrin beta 1). VLA-4 is expressed on thymocytes, monocytes, and a subset of peripheral lymphocytes. It is the receptor for fibronectin and CD106 (VCAM-1). CD49d also forms a receptor for mucosal vascular addressin (MAdCAM-1) with integrin beta 7.

#### Product Info

<b>Amount :</b>	500 µg
<b>Content :</b>	1 mg/ml in Phosphate-buffered aqueous solution, pH7.2.
<b>Storage condition :</b>	The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

#### Application Note

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.