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

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

Amount :	500 µg
Content :	1 mg/ml in Phosphate-buffered aqueous solution, ph7.2.
Storage condition :	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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.