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InnoCyto Inc.

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Anti-Mouse CD49d Antibody

Catalog Number:	203501, 203502
Size:	25 μg, 100 μg
Target Name:	CD49d, ITGA4, integrin alpha 4
Regulatory Status:	RUO

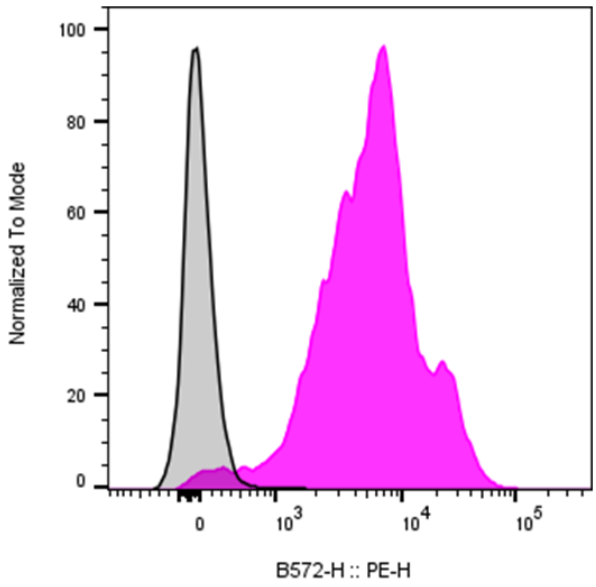
PRODUCT DETAILS

Clone:	R1-2
Application:	Flow Cytometry
Reactivity:	Mouse
Format:	Purified
Isotype:	Rat IgG2b
Antibody Type:	Monoclonal
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Protein Concentration:	0.5 mg/mL
Storage&Handling:	The antibody solution should be stored between 2°C and 8°C
Recommended Usage:	For flow cytometric staining, it is recommended to use less than 0.12 µg of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application.
Isotype Control:	303601

BACKGROUND INFORMATION

CD49d, also known as integrin alpha 4 (ITGA4), is a 150 kDa integrin subunit expressed on a wide range of mouse immune cells, including T and B lymphocytes, monocytes, eosinophils, NK cells, and dendritic cells. CD49d associates with integrin β1 (CD29) to form very late antigen-4 (VLA-4, α4β1) and with integrin β7 to form α4β7 (LPAM-1). These integrins mediate leukocyte adhesion, migration, and tissue homing through interactions with ligands such as VCAM-1, MAdCAM-1, and fibronectin. CD49d also contributes to T cell co-stimulation and plays a key role in inflammatory and immune responses.

PRODUCT DATA



Mouse splenocytes were stained with purified Anti-Mouse CD49d clone R1-2 (color-filled histogram) or an isotype control (gray histogram), followed by PE anti-Rat IgG.

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