PE/Cyanine 7 Anti-Human/Mouse VLA-4 (CD49d) Antibody[PS/2]

Catalog Number: AN01361H

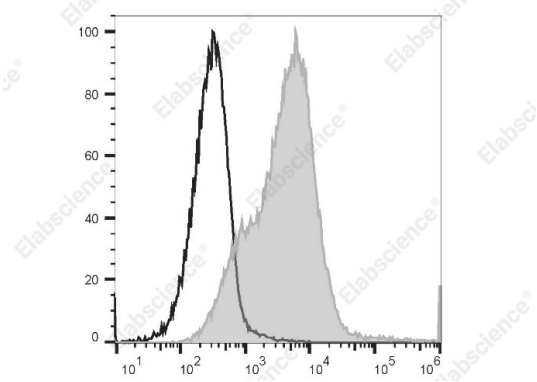
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse
Host	Rat
Isotype	Rat IgG2b, κ
Clone No.	PS/2
Isotype Control	PE/Cyanine7 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842H]
Conjugation	PE/Cyanine 7
Conjugation Information	PE/Cyanine 7 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 775 nm (e.g., a 780/60 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications	Recommended usage
FCM	Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 µL staining volume or per 100 µL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data



Staining of normal human peripheral blood cells with PE/Cyanine 7 Anti-Mouse/Human VLA-4 (CD49d) Antibody[PS/2] (filled gray histogram) or PE/Cyanine 7 Rat IgG2b, κ Isotype Control (empty black histogram). Cells in the lymphocyte gate were used for analysis.

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	ITGA4;Integrin alpha 4;Itga4;LPAM alpha;VLA-4 alpha;α4 Integrin
Uniprot ID	P13612;Q00651

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Gene ID	3676
Background	The PS/2 monoclonal antibody reacts with human and mouse VLA-4 α chain also known as CD49d and integrin alpha 4. VLA-4 is a 150 kDa glycoprotein belonging to the integrin family that is expressed by many cell types including T and B lymphocytes, monocytes, eosinophils, basophils, mast cells, thymocytes, NK cells, and dendritic cells. Integrin α4 associates with integrin β7 to form integrin α4β7 also known as LPA M-1 as well as integrin β1 (CD29) to form integrin α4β1 also known as VLA-4. Integrin α 4 plays roles in adhesion and T cell co-stimulation. Integrin α4 ligands include VCAM-1, MAdCAM-1, and fibronectin. The PS/2 antibody is useful for in vivo and in vitro VLA-4 neutralization.

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