Product Datasheet

PerCP/Cyanine5.5 Anti-Human CD49d Antibody [HP1/2]

Catalogue Code: AGEL3483

Antibody Data

Product SKU:	**AGEL3483**	**Clone:**	**HP1/2**
Applications:	**FCM**		
Reactivity:	**Human**		

Important Note:

Centrifuge before opening to ensure complete recovery of vial contents.

Product Information:

Alternate Names: VLA-4 α chain; α4 integrin; Integrin α4 chain; ITGA4;

Uniprot ID: P13612

Background: CD49d is a 150 kD α integrin chain known as α4 integrin or VLA-4 α chain. It forms a heterodimer with either integrin β1 (α4β1, VLA-4) or β7 (α4β7). CD49d is expressed broadly on T lymphocytes, B lymphocytes, monocytes, thymocytes, eosinophils, basophils, mast cells, NK cells, dendritic cells, and some non-hematopoietic cells, but not on normal red blood cells, platelets or neutrophils. VLA-4 binds to VCAM-1 (CD106) and fibronectin. α4β7 is the receptor for VCAM-1 and MAdCAM-1. CD49d participates in mononuclear cell trafficking to endothelial sites of inflammation and has roles in cell-cell interactions and cell adhesion to extracellular matrices. CD49d is involved in lymphocyte migration, T cell activation, and hematopoietic stem cell differentiation. CD49d is a marker to isolate pure populations of Treg cells due to its absence on Foxp3+ cells.

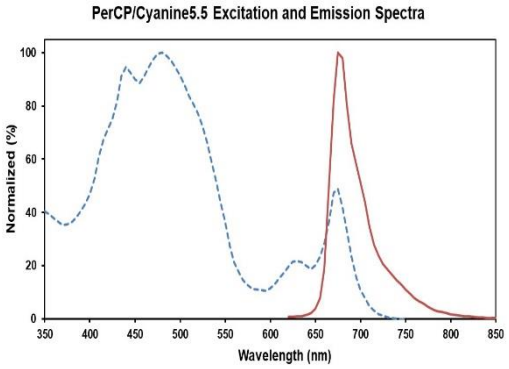
Form: Liquid

Conjugation: PerCP/Cyanine 5.5

Size: 20 Tests, 100 Tests, 200 Tests

Host Species: Mouse

Isotype: Mouse IgG2a, κ



Ex:440;480;675 nm; Em:675 nm

Isotype Control: PerCP/Cyanine5.5 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product AGEL3483]

Storage Buffer: Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

Shipping: Biological ice pack at 4℃

Stability & Storage:	Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. Centrifuge before opening to ensure complete recovery of vial contents. This product is guaranteed up to one year from purchase.
Recommended Usage:	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.