Anti-Human CD49d-141Pr

Catalog: 3141004B
Package Size: 100 tests
Clone: 9F10
Isotype: IgG1

Storage: Store product at 4°C. Do not freeze.

Reactivity: Cynomolgus Monkey, Rhesus, Chimpanzee, Olive Baboon, Squirrel Monkey, Marmoset, Bovine, Canine, Ovine, Equine, Feline,

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10^6 live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.

Description

CD49d, also known as α4 integrin or VLA-4 α chain, is an integrin chain that forms a heterodimer with either integrin β1 (α4β1, VLA-4) or β7 (α4β7). CD49d binds to VCAM-1 and MadCAM-1 and to fibronectin and collagens and plays a role in leukocyte adhesion to endothelium and extracellular matrix. CD49d is a marker to isolate pure populations of Treg cells due to its absence on Foxp3+ cells. The 9F10 antibody is able to costimulate T cell activation. 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.

References

