

## Anti-Human/Mouse CD49F-164Dy

**Catalog #:** 3164006B

**Package Size:** 100 tests

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

**Cross Reactivity:** Cynomolgus Monkey, Rhesus, Chimpanzee, Olive Baboon, Capuchin Monkey, Rabbit, Bovine, Canine, Porcine, Equine, Feline, Sheep

**Clone:** GoH3

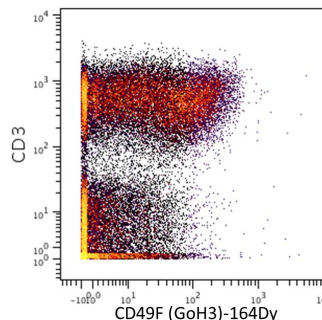
**Isotype:** Rat IgG2a

**Formulation:** Antibody stabilizer with 0.05% Sodium Azide

### Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF<sup>®</sup> 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<sup>6</sup> live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human PBMCs stained with 170Er-anti-CD3 (UCHT1) and 164Dy-anti-CD49F (GoH3). Lymphocytes are displayed in the analysis.

### Description

CD49f, also known as VLA-6  $\alpha$  chain and  $\alpha 6$  integrin subunit, is a member of the integrin family. CD49f is involved in adhesion and can act as a co-stimulatory molecule for T cell activation and proliferation. The GoH3 antibody has been reported to block laminin binding in vitro and to block integrin  $\alpha 6$  function in vivo. CD49f is expressed on platelets, monocytes, T cells, placental trophoblasts, epithelial and endothelial cells.

### References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. Highly multiparametric analysis by mass cytometry. *J Immunol Methods* 361 (1-2):1-20, 2010.

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