

## 30-2772AC: APC Conjugated Anti-CD49f Monoclonal Antibody (Clone:GoH3)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	GoH3
<b>Application :</b>	FACS
<b>Conjugate :</b>	APC
<b>Gene :</b>	ITGA6
<b>Gene ID :</b>	3655
<b>Uniprot ID :</b>	P23229
<b>Format :</b>	Purified
<b>Alternative Name :</b>	integrin subunit alpha 6 ITGA6, VLA6alpha, platelet gpIc, integrin subunit alpha 6
<b>Isotype :</b>	Rat IgG2a
<b>Immunogen Information :</b>	mouse mammary tumor cells

### Description

CD49f (alpha 6 integrin) is a type I transmembrane glycoprotein, which noncovalently associates with CD29 (beta 1 integrin) to form VLA-6, and with CD104 (beta 4 integrin) to form alpha6/beta4 integrin complex. CD49f is expressed on platelets, megakaryocytes, monocytes, T cells and thymocytes. It is widely expressed on many cultured adherent cell lines and on epithelia in non-lymphoid tissues. It is important for adhesion to laminins, invasin, and merosin, hence also for cell migration, embryogenesis, metastasis, formation of hemidesmosomes in epithelia, and other processes.

Specificity :The rat monoclonal antibody GoH3 recognizes an extracellular epitope of CD49f, an alpha6 integrin subunit.

### Product Info

<b>Amount :</b>	100 Tests
<b>Purification :</b>	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
<b>Content :</b>	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C protected from light. Do not freeze.

### Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 106 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

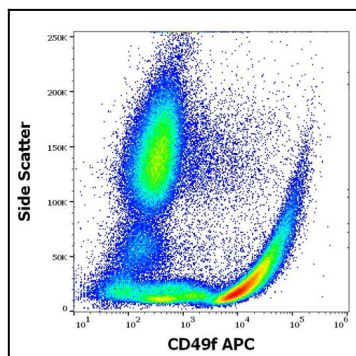


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD49f (GoH3) APC antibody (10  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood).

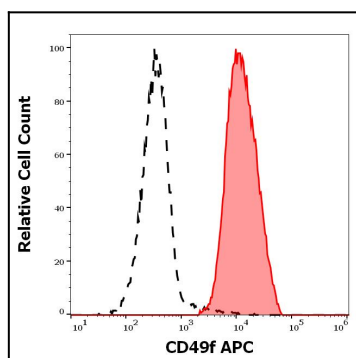


Figure 2: Separation of human CD49f positive thrombocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD49f (GoH3) APC antibody (10  $\mu$ l reagent / 100  $\mu$ l of peripheral whole body).