

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

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

Amount :	100 Tests
Purification :	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	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.

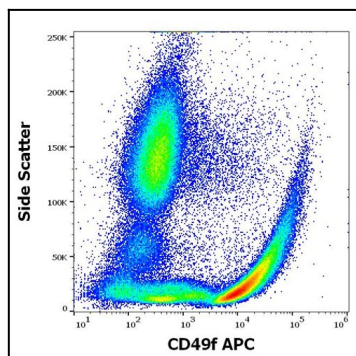


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD49f (GoH3) APC antibody (10 µl reagent / 100 µl of peripheral whole blood).

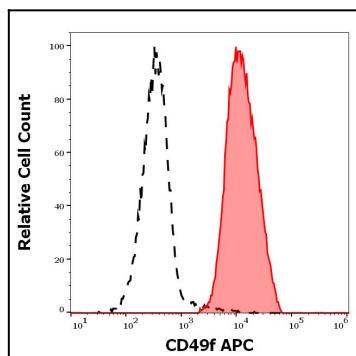


Figure 2: Separation of human CD49f positive thrombocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD49f (GoH3) APC antibody (10 µl reagent / 100 µl of peripheral whole blood).