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30-2915: PE Conjugated Anti-CD49f Mab (GoH3)

Clonality :	Monoclonal
Application :	FACS
Reactivity :	Sheep,Pig,Horse,Dog,Mouse,Human,Bovine,Rabbit,Feline,Non-Human Primates
Conjugate :	PE
Gene :	ITGA6
Gene ID :	3655
Uniprot ID :	P23229
Alternative Name :	ITGA6, VLA6alpha, platelet gpIc, integrin subunit alpha 6
Immunogen Information :	mouse mammary tumor cells

Description

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

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.

Product Info

Amount :	100 Tests
Purification :	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Storage Buffer: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Protect from prolonged exposure to 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 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

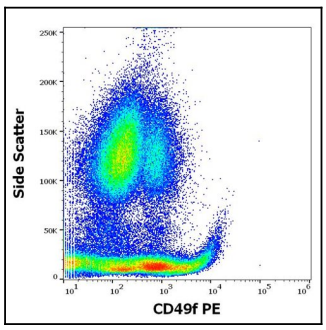

Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD49f (GoH3) PE antibody (10 Î¼l reagent / 100 Î¼l of peripheral whole blood).

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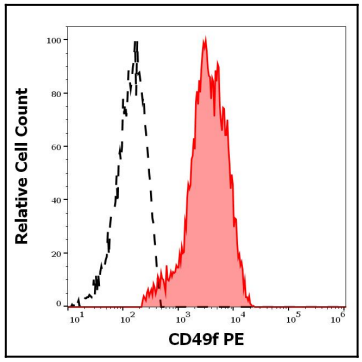

Figure 2: Separation of human CD49f positive CD45 negative platelets (red-filled) from CD49f negative neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD49f (GoH3) PE antibody (10 Î¼l reagent / 100 Î¼l of peripheral whole blood).