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30-2772: Anti-CD49f Monoclonal Antibody (Clone:GoH3) Purified

Clonality: Monoclonal Clone Name: GoH3

Application: IP,IHC-Fr,ICC,FACS

Gene : ITGA6
Gene ID : 3655
Uniprot ID : P23229
Format : Purified

Alternative Name: integrin subunit alpha 6 ITGA6, VLA6alpha, platelet gplc, 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: 0.1 mg

Purification : Purified by protein-G affinity chromatography.

Content: Concentration: 1 mg/ml

Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide

Storage condition : Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1-4 µg/ml.

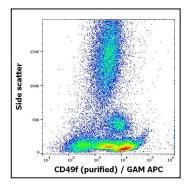


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD49f (GoH3) purified antibody (GAM APC).



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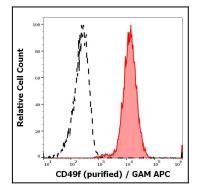


Figure 2: Separation of human blood thrombocytes stained using anti-CD49f (GoH3) purified antibody (GAM APC, red-filled) from blood thromobocytes unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining).