Datasheet for ABIN7505941

anti-ITGA6 antibody (PE)

2 Images

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Overview

Quantity:	100 tests
Target:	ITGA6
Reactivity:	Human, Mouse, Cow, Dog, Pig, Horse, Sheep, Rabbit, Non-Human Primate, Cat
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This ITGA6 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-CD49f PE
Immunogen:	mouse mammary tumor cells
Clone:	GoH3
Isotype:	IgG2a
Specificity:	The rat monoclonal antibody GoH3 recognizes an extracellular epitope of CD49f, an alpha6 integrin subunit.
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	ITGA6

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Target Details

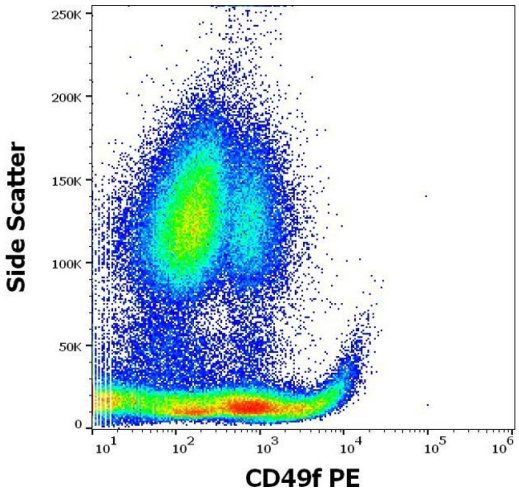
Alternative Name:	CD49f (ITGA6 Products)
Background:	Integrin subunit alpha 6,CD49f (alpha 6 integrin) is a type I transmembrane glycoprotein, which noncovalently associates with CD29 (beta 1 integrin) to form VLA-6, and with CD104 (beta 4 integrin) to form alpha6/beta4 integrin complex. CD49f is expressed 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.,ITGA6, VLA6alpha, platelet gpIc, integrin subunit alpha 6
Gene ID:	3655
UniProt:	P23229
Pathways:	CXCR4-mediated Signaling Events, Brown Fat Cell Differentiation, Integrin Complex

Application Details

Application Notes:	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.
Restrictions:	For Research Use only

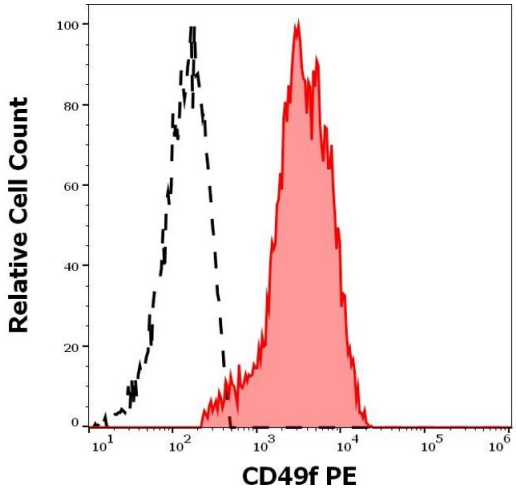
Handling

Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



Flow Cytometry

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



Flow Cytometry

Image 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 µL reagent / 100 µL of peripheral whole blood).

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