Datasheet for ABIN7505970

anti-C-Type Lectin Domain Family 1, Member B (CLEC1B) (AA 68-229), (Extracellular Domain) antibody (PE)

2 Images

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Overview

Quantity:	100 tests
Target:	C-Type Lectin Domain Family 1, Member B (CLEC1B)
Binding Specificity:	AA 68-229, Extracellular Domain
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	PE
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Hu CLEC2 PE
Immunogen:	A recombinant extracellular domain of human CLEC2 (amino acids 68-229)
Clone:	AYP1
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody AYP1 recognizes an epitope within the extracellular part of CLEC2, a transmembrane glycoprotein expressed on activated plateles and on platelet microparticles.
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

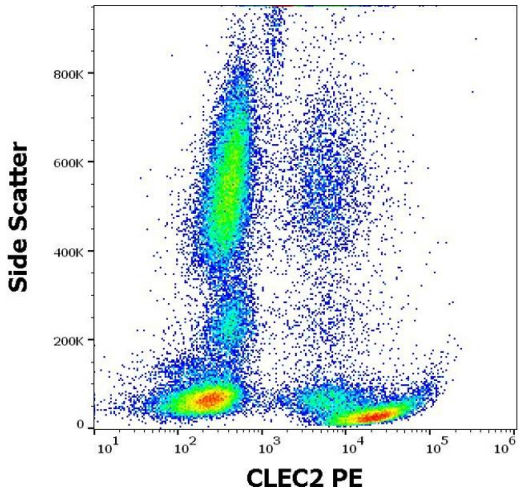
Target:	C-Type Lectin Domain Family 1, Member B (CLEC1B)
Alternative Name:	CLEC2 (CLEC1B Products)
Target Type:	Viral Protein
Background:	C-type lectin domain family 1 member B,CLEC2 (C-type lectin-like receptor 2) functions as a platelet receptor for the lymphatic endothelial marker, PDPN, and mediates platelet activation. Besides platelets, it can be found on myeloid cells and NK cells. CLEC2 functions also as an attachment factor for HIV-1 and facilitates its capture by platelets. Platelet-aggregating snake venom protein rhodocytin also binds to CLEC2.,CLEC1B, CLEC2B, PRO1384, QDED721
Gene ID:	51266
UniProt:	Q9P126

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

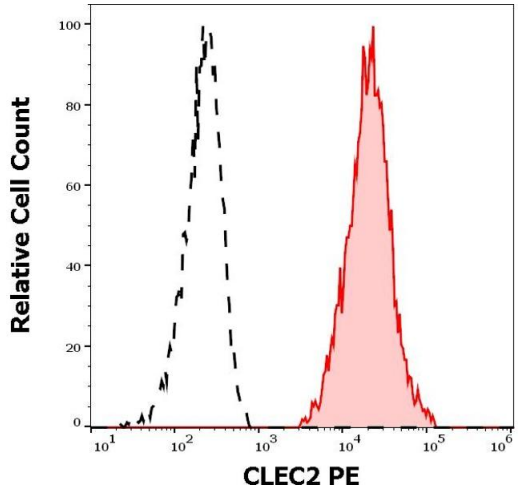
Handling

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 CLEC2 (AYP1) PE antibody (10 µL reagent / 100 µL of peripheral whole blood).



Flow Cytometry

Image 2. Separation of human thrombocytes (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CLEC2 (AYP1) PE antibody (10 µL reagent / 100 µL of peripheral whole blood).