Datasheet for ABIN7013960

anti-CLEC9A antibody (PE)

3 Images

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Overview

Quantity:	100 tests
Target:	CLEC9A
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CLEC9A antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	RBL-2H3 cells expressing human CLEC9A fused to an HA epitope
Clone:	8F9
Isotype:	IgG2a
Specificity:	The mouse monoclonal antibody 8F9 recognizes an extracellular epitope of CD370 / CLEC9A (DNGR1), a type II transmembrane protein functioning as an endocytic receptor on BDCA31+ dendritic cells and on a subset of CD14+ CD16- monocytes.
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:	CLEC9A
Alternative Name:	CD370 (CLEC9A Products)

Target Details

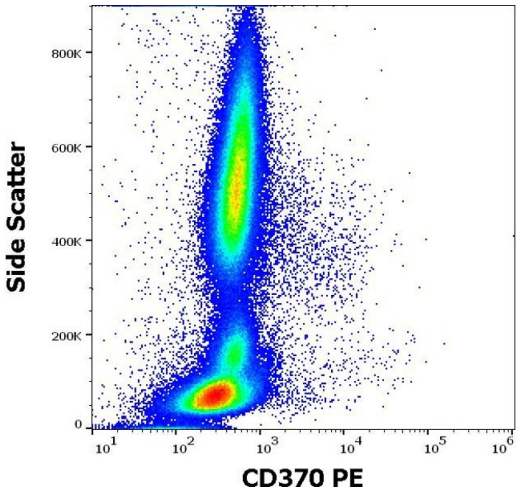
Background:	C-type lectin domain containing 9A,CD370 / CLEC9A, also known as DNGR1, is a type II transmembrane glycoprotein with extracellular C-type lectin domain and intracellular ITAM-containing domain. Its expression is restricted to BDCA3+ conventional dendritic cells and to a subset of CD14+ CD16- monocytes. CD370 serves as a receptor for ubiquitous preformed acid-labile protein associated ligands that are exposed when the cell membrane is damaged, such as on necrotic cells. Its triggering by these ligands mediates recruitment and activation of the tyrosine kinase Syk and leads to their cross-presentation to the immune system.,CLEC9A, DNGR1, DNGR-1, UNQ9341
Gene ID:	283420
UniProt:	Q6UXN8

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

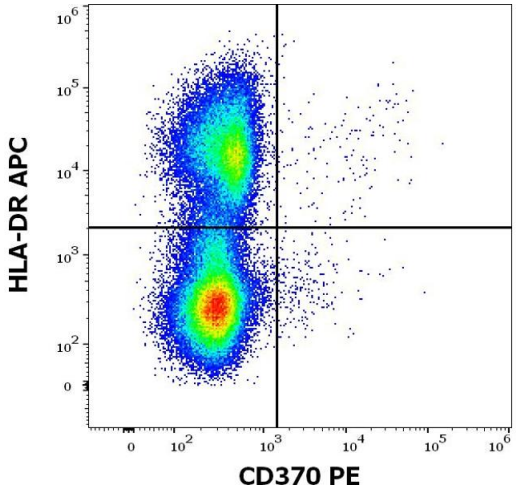
Handling

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.



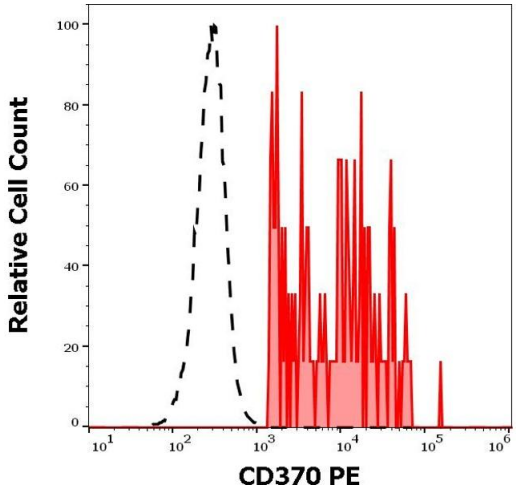
Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD370 (8F9) PE antibody (10 µL reagent / 100 µL of peripheral whole blood).



Flow Cytometry

Image 2. Flow cytometry multicolor surface staining of human peripheral blood mononuclear cells stained using anti-human CD370 (8F9) PE antibody (10 µL reagent / 100 µ L of peripheral whole blood) and anti-human HLA-DR (MEM-12) APC antibody (10 µL reagent / 100 µL of peripheral whole blood).



Flow Cytometry

Image 3. Separation of human CD370 positive HLA-DR positive cells (red-filled) from CD370 negative HLA-DR negative cells (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD370 (8F9) PE antibody (10 µL reagent / 100 µL of peripheral whole blood).

