

Datasheet for ABIN7505926
anti-CLEC4D antibody (PE)[Go to Product page](#)

2 Images

Overview

Quantity:	100 tests
Target:	CLEC4D
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CLEC4D antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Hu CD368 PE
Immunogen:	CD368 ectodomain fused with human Fc
Clone:	9B9
Isotype:	IgG2b kappa
Specificity:	The mouse monoclonal antibody 9B9 recognizes an extracellular epitope of CD368, a type II transmembrane protein of C lectin family, expressed mainly on monocytes and neutrophils.
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:	CLEC4D
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Target Details

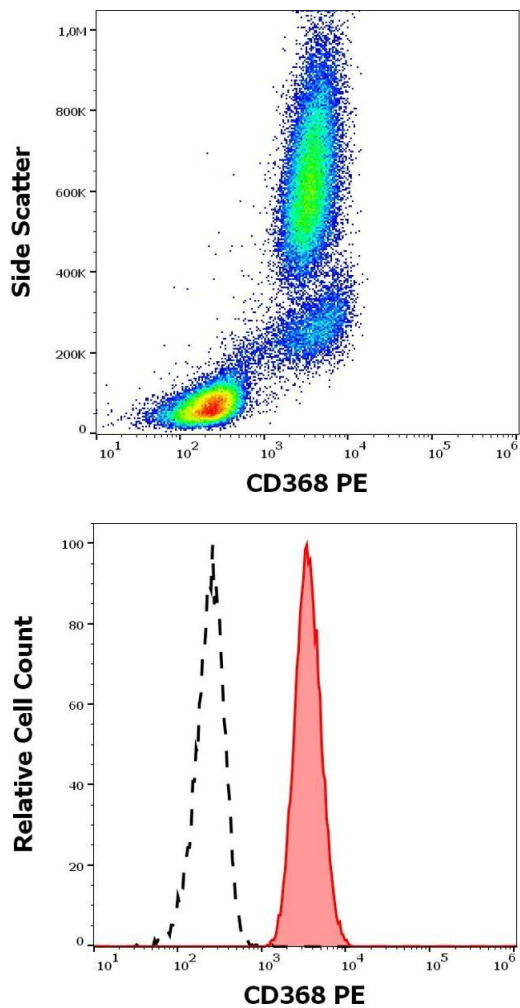
Alternative Name:	CD368 (CLEC4D Products)
Background:	C-type lectin domain family 4 member D,CD368 is an approximately 25-30 kDa C-type lectin, which serves as one of pattern recognition receptors of the innate immune system. It recognizes pathogen-associated molecular patterns of bacteria and fungi, such as alpha-mannans or trehalose 6,6'-dimycolate, and transfers the signal downstream using associated Fc receptor gamma chain. CD368 is expressed on neutrophils, monocytes, and on some populations of blood dendritic cells, but it decreases during differentiation of monocytes into dendritic cells or macrophages. Increased expression can be induced by IFN-gamma, TNF-alpha, IL-6, and IL-10. CD368 triggering leads to driving of antigen-presenting cells maturation and to promotion of T cell differentiation into Th1 and Th17.,CLEC6, CLEC4D, dectin 3, MCL, MPCL
Gene ID:	338339
UniProt:	Q8WXI8

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 CD368 (9B9) PE antibody (10 μ L reagent / 100 μ L of peripheral whole blood).

Flow Cytometry

Image 2. Separation of human neutrophil granulocytes (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD368 (9B9) PE antibody (10 μ L reagent / 100 μ L of peripheral whole blood).