

Datasheet for ABIN7505966  
**anti-SLC44A1 antibody (PE)**



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2 Images

## Overview

Quantity:	100 tests
Target:	SLC44A1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SLC44A1 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

## Product Details

Purpose:	Anti-Hu CD92 PE
Immunogen:	MV4-11 acute myeloid leukemia cells
Clone:	VIM15
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody VIM15 recognizes an extracellular epitope of CD92, a 70 kDa transmembrane glycoprotein expressed mainly on human peripheral blood monocytes and neutrophils, and several myeloid and T-cell lines.
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:	SLC44A1
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## Target Details

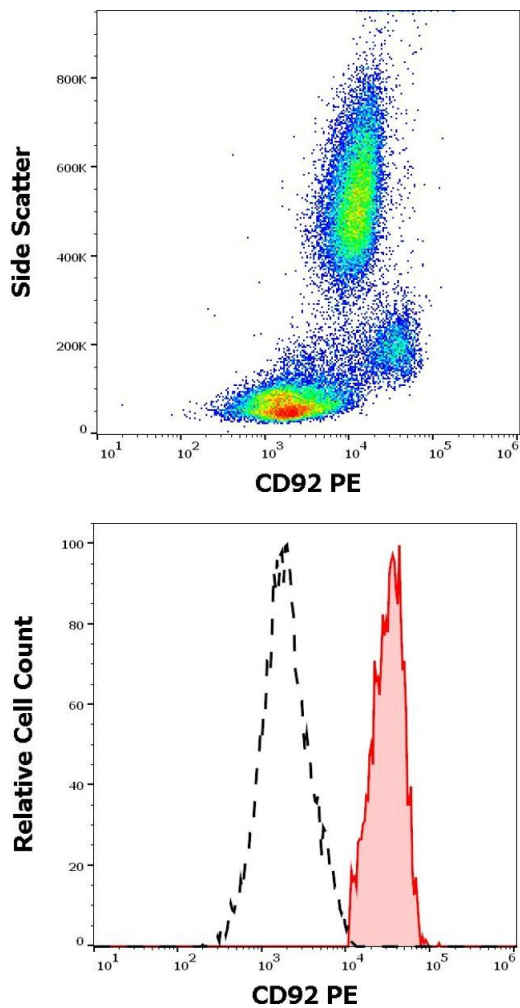
Alternative Name:	CD92 ( <a href="#">SLC44A1 Products</a> )
Background:	Solute carrier family 44 member 1,CD92 is a 70 kDa protein with ten transmembrane domains, intracellular N and C terminus, and two glycosylated larger extracellular loops. In the C-terminal domain, there is an ITIM-like sequence. This protein seems to be a choline transporter responsible for delivery of choline into the immune cells, to make it accessible for phospholipid synthesis, as well as a regulator of immune cell signaling. It is expressed mainly on human peripheral blood monocytes and neutrophils, and several myeloid and T-cell lines. It can also be found on mast cells (but not eosinophils), and weakly on peripheral blood lymphocytes, fibroblasts, epithelial cells, and endothelial cells.,CTL1, CHTL1, SLC44A1
Gene ID:	23446
UniProt:	<a href="#">Q8WWI5</a>

## 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 <sup>6</sup> 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 CD92 (VIM15) PE antibody (10  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood).

Flow Cytometry

**Image 2.** Separation of human CD92 positive monocytes (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD92 (VIM15) PE antibody (10  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood).