

Datasheet for ABIN6559830  
**anti-SIRPB1 antibody (PE)**



[Go to Product page](#)

1 Image

## Overview

Quantity:	100 tests
Target:	SIRPB1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SIRPB1 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

## Product Details

Purpose:	Anti-Hu CD172b PE
Immunogen:	NIH-3T3 cells transfected with human CD172b
Clone:	B4B6
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody B4B6 recognizes an extracellular epitope of CD172b, an approximately 50 kDa transmembrane glycoprotein expressed on myeloid cells.
Cross-Reactivity (Details):	Human
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

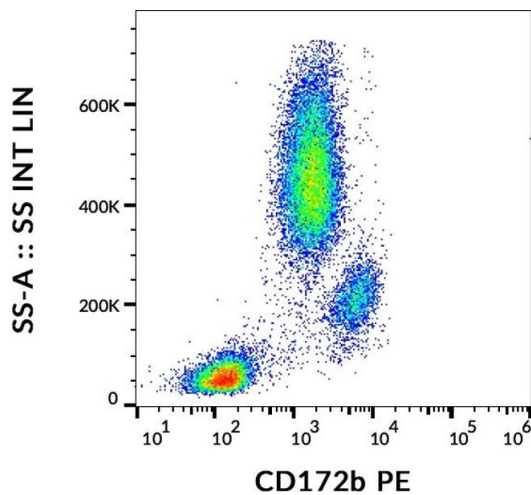
Target:	SIRPB1
Alternative Name:	CD172b ( <a href="#">SIRPB1 Products</a> )
Background:	Signal regulatory protein beta 1,CD172b, the signal-regulatory protein beta (SIRP beta) is a disulfide-linked homodimer expressed on myeloid cells including monocytes and dendritic cells. Similarly to CD172a, it serves as a negative regulator of tyrosine kinase-coupled signaling processes. Unlike CD172a, the CD172b protein does not possess the cytoplasmic domain, but instead its transmembrane domain can interact with another transmembrane protein DAP-12, which contains ITAM sequences in its intracellular domain and links CD172b to the downstream signaling molecules. The result is e.g. regulation of neutrophil transepithelial migration.,SIRPB1
Gene ID:	10326
UniProt:	<a href="#">O00241</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.
Handling Advice:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
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 analysis (surface staining) of human peripheral blood cells with anti-human CD172b (B4B6) PE.