

Datasheet for ABIN7505866

**anti-SIGLEC5 antibody (Extracellular Domain) (APC)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 tests
Target:	SIGLEC5
Binding Specificity:	Extracellular Domain
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SIGLEC5 antibody is conjugated to APC
Application:	Flow Cytometry (FACS)

## Product Details

Purpose:	Anti-Hu CD170 APC
Immunogen:	Fusion protein composed of human CD170 extracellular domain and Fc region of human IgG1
Clone:	1A5
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody 1A5 recognizes an extracellular epitope of CD170 (Siglec-5, sialic acid binding Ig-like lectin 5), a transmembrane glycoprotein expressed strongly by neutrophils, macrophages activated during infections, monocytes, and dendritic cells. As in case with other anti-CD170 antibodies, this antibody crossreacts with Siglec-14, whose first two Ig domains are almost identical to those of CD170.
Purification:	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion

## Product Details

chromatography.

## Target Details

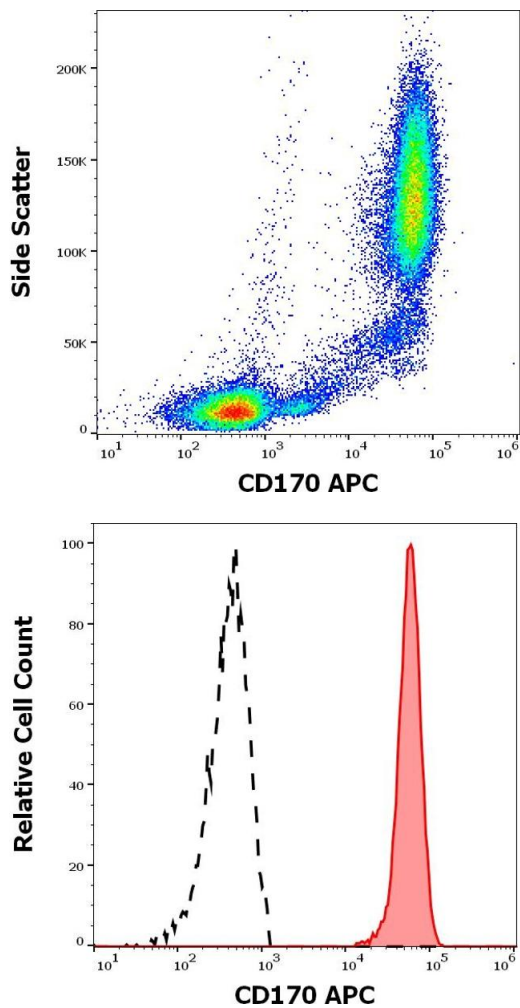
Target:	SIGLEC5
Alternative Name:	CD170 ( <a href="#">SIGLEC5 Products</a> )
Background:	Sialic acid binding Ig like lectin 5,CD170, also known as Siglec 5 (sialic acid binding Ig-like lectin 5) is a type 1 transmembrane glycoprotein containing two cytoplasmic immunoreceptor tyrosine inhibitory motifs (ITIMs). CD170 forms homodimers and functions as an inhibitory receptor able to downregulate cell activation. It binds to alpha2,3- and alpha2,6-linked sialic acid ligands, e.g. on glycophorin A (CD235a). Aberrant expression of CD170 by CD34+ progenitor cells can be observed in case of acute myeloid leukemias.,OBBP2, OB-BP2, SIGLEC-5, SIGLEC5
Gene ID:	8778
UniProt:	<a href="#">O15389</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 CD170 (1A5) APC antibody (10  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood).

### Flow Cytometry

**Image 2.** Separation of human neutrophil granulocytes (red-filled) from CD170 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD170 (1A5) APC antibody (10  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood).