

Datasheet for ABIN192355  
**anti-TNFRSF8 antibody (APC)**

2 Images

1 Publication

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## Overview

Quantity:	100 tests
Target:	TNFRSF8
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TNFRSF8 antibody is conjugated to APC
Application:	Flow Cytometry (FACS)

## Product Details

Immunogen:	Expression vector containing CD30 cDNA (booster suspension of THP-1 cell line)
Clone:	MEM-268
Isotype:	IgG
Specificity:	The antibody MEM-268 recognizes extracellular part of CD30 (Ki-1 antigen), a 105 kDa single chain glycoprotein expressed on Hodgkin's and Reed-Sternberg cells, it is also found in Burkitt's lymphomas, virus-infected T and B lymphocytes, and on normal B and T lymphocytes after activation (T lymphocytes that produce Th2-type cytokines and on CD4+/CD8+ T lymphocytes that co-express CD45RO and the IL4 receptor).
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

## Target Details

Target:	TNFRSF8
Alternative Name:	CD30 ( <a href="#">TNFRSF8 Products</a> )
Background:	<p>TNF receptor superfamily member 8,CD30 is a type I transmembrane glycoprotein of the TNF receptor superfamily. CD30 was originally identified as a cell surface antigen of Hodgkins and Reed-Sternberg cells using monoclonal antibody Ki-1. The ligand for CD30 is CD30L (CD153). The binding of CD30 to CD30L mediates pleiotropic effects including cell proliferation, activation, differentiation, and apoptotic cell death. CD30 has a critical role in the pathophysiology of Hodgkin's disease and other CD30+ lymphomas. CD30 acts as a costimulatory molecule in thymic negative selection. In addition to its expression on Hodgkin's and Reed-Sternberg cells, CD30 is also found in some non-Hodgkin's lymphomas (including Burkitt's lymphomas), virus-infected T and B cells, and on normal T and B cells after activation. In T cells, CD30 expression is present on a subset of T cells that produce Th2-type cytokines and on CD4+/CD8+ thymocytes that co-express CD45RO and the IL4 receptor. Soluble form of CD30 (sCD30) serves as a marker reflecting Th2 immune response.,Ki-1, TNFRSF8, CD30L receptor, D1S166E</p>
Gene ID:	943
UniProt:	<a href="#">P28908</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.
Comment:	The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only

## Handling

Reconstitution:	No reconstitution is necessary.
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

Handling

should be handled by trained staff only.

Handling Advice: **Do not freeze.**  
Avoid prolonged exposure to light.

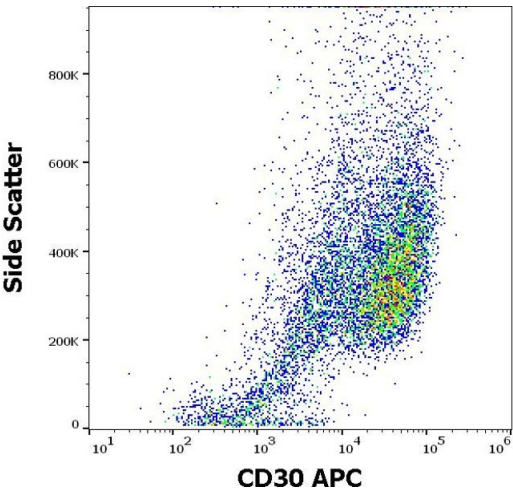
Storage: 4 °C

Storage Comment: Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Publications

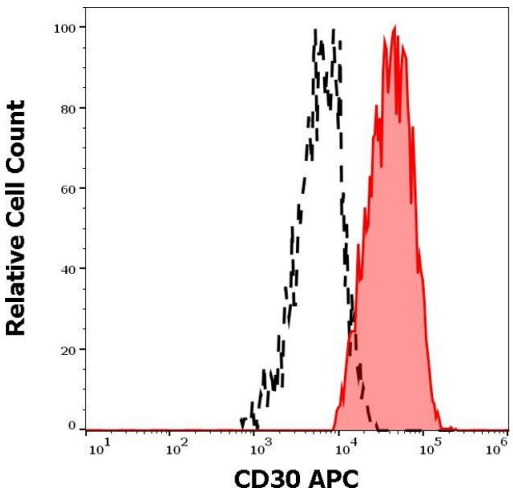
Product cited in: Pavlov, Martins, Delgado: "Development and validation of a fluorescent microsphere immunoassay for soluble CD30 testing." in: **Clinical and vaccine immunology : CVI**, Vol. 16, Issue 9, pp. 1327-31, (2009) ([PubMed](#)).

Images



**Flow Cytometry**

**Image 1.** Flow cytometry surface staining pattern of human peripheral blood mononuclear cells stained using anti-human CD30 (MEM-268) APC antibody (10 µL reagent / 100 µL of peripheral whole blood).



**Flow Cytometry**

**Image 2.** Separation of human CD30 positive cells (red-filled) from CD30 negative cells (black-dashed) in flow cytometry analysis (surface staining) of human peripheral blood mononuclear cells stained using anti-human CD30 (MEM-268) APC antibody (10 µL reagent / 100 µL of peripheral whole blood).