

Datasheet for ABIN94067  
**anti-TNFRSF8 antibody**

2 Images

1 Publication

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## Overview

Quantity:	0.1 mg
Target:	TNFRSF8
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TNFRSF8 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## 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 by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

## 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:	<p>Flow cytometry: Recommended dilution: 5 µg/mL.</p> <p>Immunohistochemistry (paraffin sections): Recommended dilution: 5 µg/mL, positive tissue: thymus.</p>
Restrictions:	For Research Use only

## Handling

Concentration:	1 mg/mL
Buffer:	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:	<b>Do not freeze.</b>

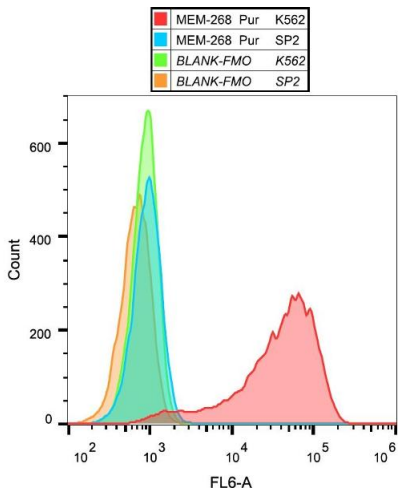
Handling

Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Publications

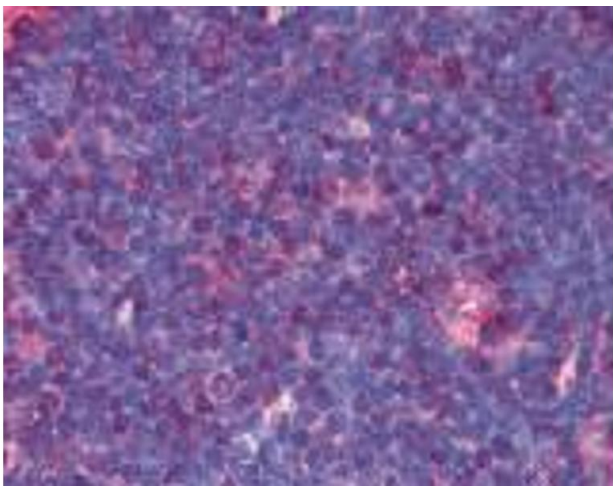
Product cited in:	Pavlov, Martins, Delgado: "Development and validation of a fluorescent microsphere immunoassay for soluble CD30 testing." in: <b>Clinical and vaccine immunology : CVI</b> , Vol. 16, Issue 9, pp. 1327-31, (2009) ( <a href="#">PubMed</a> ).
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Images



Flow Cytometry

**Image 1.** Flow cytometry analysis (surface staining) of K562 cells with anti-human CD30 (MEM-268) purified, GAM APC.



Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Human Thymus (formalin-fixed, paraffin-embedded) stained with TNFRSF8 antibody LS-B1865 at 5 ug/ml followed by biotinylated anti-mouse IgG secondary antibody LS-D2, alkaline phosphatase-streptavidin and chromogen.