

TNFRSF8 monoclonal antibody, clone MEM-268 (PE)

Catalog # MAB5100

Size 100 Reactions

Specification

Product Description	Mouse monoclonal antibody raised against TNFRSF8.
Immunogen	Expression vector containing CD30 cDNA (booster suspension of THP-1 cell line).
Host	Mouse
Reactivity	Human
Specificity	This antibody recognizes extracellular part of CD30 (Ki-1 antigen), a 105 KDa single chain glycoprotein expressed on Hodgkin's and Reed-Sternberg cells.
Form	Liquid
Conjugation	PE
Isotype	IgG
Recommend Usage	Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or 10 ⁶ cells in a suspension) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.2% BSA, 0.09% sodium azide)
Storage Instruction	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

Gene Info — TNFRSF8

Entrez GeneID [943](#)

Gene Name TNFRSF8

Gene Alias CD30, D1S166E, KI-1

Gene Description tumor necrosis factor receptor superfamily, member 8

Omim ID [153243](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is expressed by activated, but not by resting, T and B cells. TRAF2 and TRAF5 can interact with this receptor, and mediate the signal transduction that leads to the activation of NF-kappaB. This receptor is a positive regulator of apoptosis, and also has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq]

Other Designations CD30 antigen|CD30L receptor|Ki-1 antigen|OTTHUMP00000001783|cytokine receptor CD30|lymphocyte activation antigen CD30

Publication Reference

- [Maternal serum soluble CD30 is increased in normal pregnancy, but decreased in preeclampsia and small for gestational age pregnancies.](#)

Kusanovic JP, Romero R, Hassan SS, Gotsch F, Edwin S, Chaiworapongsa T, Erez O, Mittal P, Mazaki-Tovi S, Soto E, Than NG, Friel LA, Yoon BH, Espinoza J.

The Journal of Maternal-Fetal & Neonatal Medicine 2007 Dec; 20(12):867.

- [CD30 activates both the canonical and alternative NF-kappaB pathways in anaplastic large cell lymphoma cells.](#)

Wright CW, Rumble JM, Duckett CS.

The Journal of Biological Chemistry 2007 Apr; 282(14):10252.

Application: Flow Cyt, Mouse, CHO cells

- [Early CD30 signaling is critical for adoptively transferred CD4+CD25+ regulatory T cells in prevention of acute graft-versus-host disease.](#)

Zeiser R, Nguyen VH, Hou JZ, Beilhack A, Zambricki E, Buess M, Contag CH, Negrin RS.

Blood 2007 Mar; 109(5):2225.

Application: Flow Cyt, Mouse, Mouse lymphocytes

Pathway

- [Cytokine-cytokine receptor interaction](#)

Disease

- [Asthma](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [HIV Infections](#)
- [Kidney Failure](#)
- [Multiple Myeloma](#)
- [Occupational Diseases](#)
- [Tobacco Use Disorder](#)