

Datasheet

TNFRSF8 monoclonal antibody, clone MEM-268 (FITC)

Catalog Number: MAB5099

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against TNFRSF8.

Clone Name: MEM-268

Immunogen: Expression vector containing CD30 cDNA (booster suspension of THP-1 cell line).

Host: Mouse

Reactivity: Human

Applications: Flow Cyt

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

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: FITC

Isotype: IgG

Recommend Usage: Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or 10⁶ 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.

Entrez GeneID: 943

Gene Symbol: TNFRSF8

Gene Alias: CD30, D1S166E, KI-1

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]

References:

1. 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. *J Matern Fetal Neonatal Med.* 2007 Dec;20(12):867-78.
2. CD30 activates both the canonical and alternative NF-kappaB pathways in anaplastic large cell lymphoma cells. Wright CW, Rumble JM, Duckett CS. *J Biol Chem.* 2007 Apr 6;282(14):10252-62. Epub 2007 Jan 29.
3. 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 1;109(5):2225-33. Epub 2006 Oct 26.