TNFSF4 monoclonal antibody, clone ANC10G1

Catalog # MAB6964 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against TNFSF4.
Immunogen	A mixture of human HUVEC and recombinant protein of human TNFSF4.
Host	Mouse
Reactivity	Human
Specificity	Antibody ANC10G1 blocks binding of Recombinant CD134 to CD134L on HUVEC.
Form	Liquid
Isotype	IgG1, kappa
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM sodium phosphate buffer, 100 mM potassium Chloride, 150 mM NaCl, pH 7.5 (0.5 mg/mL gentamicin sulfate)
Storage Instruction	Store at 4°C.

Applications

- Flow Cytometry
- Enzyme Immunoassay

Gene Info — TNFSF4

Entrez GeneID	7292
Gene Name	TNFSF4

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Gene Alias	CD134L, CD252, GP34, OX-40L, OX4OL, TXGP1
Gene Description	tumor necrosis factor (ligand) superfamily, member 4
Omim ID	603594 608446
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) lig and family. This cytokine is a ligand for receptor TNFRSF4/OX4. It is found to be involved in T cell antigen-presenting cell (APC) interactions. In surface Ig- and CD40-stimulated B cells, this cytokin e along with CD70 has been shown to provide CD28-independent costimulatory signals to T cells . This protein and its receptor are reported to directly mediate adhesion of activated T cells to vas cular endothelial cells. [provided by RefSeq
Other Designations	CD134 ligand|OTTHUMP00000032704|OX40 antigen ligand|OX40 ligand|glycoprotein 34 kd|tax-transcriptionally activated glycoprotein 1 (34kD)

Publication Reference

- The role of the CD134-CD134 ligand costimulatory pathway in alloimmune responses in vivo.

  Yuan X, Salama AD, Dong V, Schmitt I, Najafian N, Chandraker A, Akiba H, Yagita H, Sayegh MH.

  The Journal of Immunology 2003 Mar; 170(6):2949.

  Application: ELISPOT, Flow Cyt, Rat, Spleen cells, Splenocytes

- Expression and costimulatory effects of the TNF receptor superfamily members CD134 (OX40) and CD137 (4-1BB), and their role in the generation of anti-tumor immune responses.

  Taraban VY, Rowley TF, O'Brien L, Chan HT, Haswell LE, Green MH, Tutt AL, Glennie MJ, Al-Shamkhani A.

  European Journal of Immunology 2002 Dec; 32(12):3617.

  Application: Added, Recombinant protein

- Association of the CD134/CD134L costimulatory pathway with acute rejection of small bowel allograft.

  Tian L, Guo W, Yuan Z, Lui VC, Chan JK, Yagita H, Akiba H, Dallman M, Tam PK.

  Transplantation 2002 Jul; 74(1):133.

Pathway

- Cytokine-cytokine receptor interaction

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Disease

- Arteriosclerosis
- Atherosclerosis
- Brain Ischemia
- Cardiovascular Diseases
- Carotid Artery Diseases
- Cerebral Infarction
- Coronary Disease
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hematologic Diseases
- Hepatitis C
- Hodgkin Disease
- Hypercholesterolemia
- Hypertension
- Intracranial Thrombosis
- Kidney Failure
- Lupus Erythematosus
- Lymphoproliferative Disorders
- Multiple Myeloma
- Myocardial Infarction
- Narcolepsy
- Occupational Diseases

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- Scleroderma
- Stroke
- Thrombosis
- Waldenstrom Macroglobulinemia
- Werner syndrome

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