TNFRSF8 monoclonal antibody, clone AC10

Catalog # MAB6906 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native TNFRSF8.
Immunogen	Native purified TNFRSF8 from human YT lymphoma cells.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG2b, 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

- Immunohistochemistry (Frozen sections)
- Flow Cytometry
- Immunoprecipitation

Gene Info — TNFRSF8

Entrez GeneID	943
Gene Name	TNFRSF8

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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

- Direct cellular communications between CD45R0 and CD45RA T cell subsets via CD27/CD70.

  Agematsu K, Kobata T, Sugita K, Hirose T, Schlossman SF, Morimoto C.

  The Journal of Immunology 1995 Apr; 154(8):3627.

  Application: IF, Human, CD45RA+/CD45RO+ CD4 T cells

- CD30 (Ki-1) molecule: a new cytokine receptor of the tumor necrosis factor receptor superfamily as a tool for diagnosis and immunotherapy.

  Falini B, Pileri S, Pizzolo G, Durkop H, Flenghi L, Stirpe F, Martelli MF, Stein H.

  Blood 1995 Jan; 85(1):1.

- Functional effects of CD30 on a large granular lymphoma cell line, YT. Inhibition of cytotoxicity, regulation of CD28 and IL-2R, and induction of homotypic aggregation.

  Bowen MA, Olsen KJ, Cheng L, Avila D, Podack ER.

  The Journal of Immunology 1993 Dec; 151(11):5896.

  Application: IP, Human, YT cells

Pathway

- Cytokine-cytokine receptor interaction

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Disease

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

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