TNFRSF18 monoclonal antibody, clone ANC7D6-1B7

Catalog # MAB6969 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against recombinant TNFRSF18.
Immunogen	Recombinant protein corresponding to PHA stimulated human PBL of human TNFRSF18.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgM, 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 — TNFRSF18

Entrez GeneID	8784
Gene Name	TNFRSF18
Gene Alias	AITR, GITR, GITR-D

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Gene Description	tumor necrosis factor receptor superfamily, member 18
Omim ID	603905
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor has been shown to have increased expression upon T-cell activation, and it is thought to play a key role in dominant immunological self-tolerance maintained by CD25(+)CD4(+) regulatory T cells. Knockout studies in mice also suggest the role of this receptor is in the regulation of CD3-driven T-cell activation and programmed cell death. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq
Other Designations	OTTHUMP00000001519|OTTHUMP00000001520|OTTHUMP00000001521|TNF receptor superfamily activation-inducible protein|activation-inducible TNFR family receptor|glucocorticoid-induced TNFR-related protein

Publication Reference

- Differential roles of the co-stimulatory molecules GITR and CTLA-4 in the immune response to Trichinella spiralis.

  Furze RC, Culley FJ, Selkirk ME.

  Microbes and Infection 2006 Oct; 8(12-13):2803.

  Application: Func, Mouse, Parasite larvae in skeletal muscle of Mouse, Spleen

- Cutting edge: the natural ligand for glucocorticoid-induced TNF receptor-related protein abrogates regulatory T cell suppression.

  Ji HB, Liao G, Faubion WA, Abadia-Molina AC, Cozzo C, Laroux FS, Caton A, Terhorst C.

  Journal of Immunology 2004 May; 172(10):5823.

  Application: Flow Cyt, Human, HEK 293T cells

- Recombinant glucocorticoid induced tumor necrosis factor receptor (rGITR) induces NOS in murine macrophage.

  Shin HH, Lee MH, Kim SG, Lee YH, Kwon BS, Choi HS.

  FEBS Letters 2002 Mar; 514(2-3):275.

  Application: Flow Cyt, Mouse, Mouse peritoneal macrophages, Raw 264.7 cells

Pathway

- Cytokine-cytokine receptor interaction

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Disease

- Asthma
- Birth Weight
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Hepatitis C
- Hodgkin Disease
- Leukemia
- Lymphoproliferative Disorders
- Meningeal Neoplasms
- Meningioma
- Waldenstrom Macroglobulinemia
- Werner syndrome

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