

TNFSF9 monoclonal antibody, clone 41B436

Catalog # MAB16023 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human TNFSF9.
Immunogen	Recombinant protein corresponding to extracellular domain of human TNFSF9 .
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1, kappa
Recommend Usage	ELISA (1:500-5000) Flow Cytometry (1:1000) Immunocytochemistry Western Blot (1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4.
Storage Instruction	For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunocytochemistry
- Enzyme-linked Immunoabsorbent Assay
- Flow Cytometry

Gene Info — TNFSF9

Entrez GeneID [8744](#)

Protein Accession# [P41273](#)

Gene Name TNFSF9

Gene Alias 4-1BB-L, CD137L

Gene Description tumor necrosis factor (ligand) superfamily, member 9

Omim ID [606182](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This transmembrane cytokine is a bidirectional signal transducer that acts as a ligand for TNFRSF9/4-1BB, which is a costimulatory receptor molecule in T lymphocytes. This cytokine and its receptor are involved in the antigen presentation process and in the generation of cytotoxic T cells. The receptor TNFRSF9/4-1BB is absent from resting T lymphocytes but rapidly expressed upon antigenic stimulation. The ligand encoded by this gene, TNFSF9/4-1BBL, has been shown to reactivate anergic T lymphocytes in addition to promoting T lymphocyte proliferation. This cytokine has also been shown to be required for the optimal CD8 responses in CD8 T cells. This cytokine is expressed in carcinoma cell lines, and is thought to be involved in T cell-tumor cell interaction.

Other Designations homolog of mouse 4-1BB-L|receptor 4-1BB ligand

Pathway

- [Cytokine-cytokine receptor interaction](#)

Disease

- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hematologic Diseases](#)

- [Hodgkin Disease](#)
- [Leukemia](#)
- [Lymphoproliferative Disorders](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Myeloma](#)
- [Occupational Diseases](#)
- [Ovarian Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)