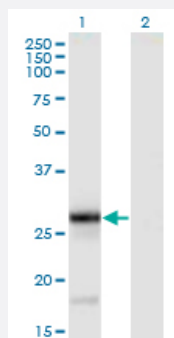


TNFSF9 monoclonal antibody (M01), clone 1D7

Catalog # H00008744-M01

Size 100 ug

Applications

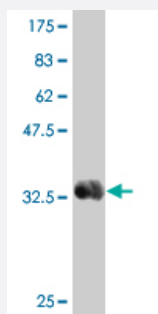


Western Blot (Transfected lysate)

Western Blot analysis of TNFSF9 expression in transfected 293T cell line by TNFSF9 monoclonal antibody (M01), clone 1D7.

Lane 1: TNFSF9 transfected lysate (Predicted MW: 27.94 kDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (37.84 kDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant TNFSF9.
Immunogen	TNFSF9 (NP_003802, 145 a.a. ~ 254 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 kDa.
Sequence	FQLELRRVVAGEGSGSVSLALHLQPLRSAAGAAALALTVDLPPASSEARNSAFGFQGRLLHLSA GQRLGVHLHTEARARHAWQLTQGATVLGLFRVTPEIPAGLPSPRSE
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (37.84 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of TNFSF9 expression in transfected 293T cell line by TNFSF9 monoclonal antibody (M01), clone 1D7.

Lane 1: TNFSF9 transfected lysate (Predicted MW: 27.94 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — TNFSF9

Entrez GeneID

[8744](#)

GeneBank Accession#

[NM_003811](#)

Protein Accession#

[NP_003802](#)

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](#)