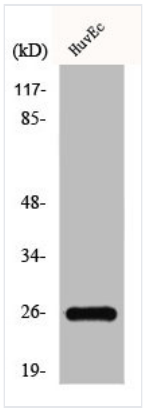
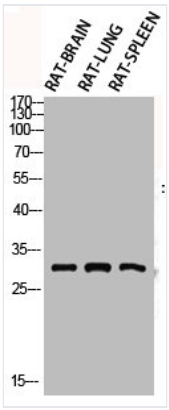
TNFSF9 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TNFSF9, Polyclonal Antibody
Full Product Name	TNFSF9 Antibody
Product Gene Name	anti-TNFSF9 antibody
Product Synonym Names	TNFSF9; Tumor necrosis factor ligand superfamily member 9; 4-1BB ligand; 4-1BBL
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; In Phosphate Buffered Saline, 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	26,625 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (6531010..6535939). Location: 19p13.3
OMIM	606182
3D Structure	ModBase 3D Structure for P41273
Immunogen	Synthesized peptide derived from the Internal region of human CD137L.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-TNFSF9 antibody	Immunology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TNFSF9 antibody	Western Blot (WB), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-TNFSF9 antibody	WB: 1:500-1:2000 IF: 1:200-1:1000 ELISA: 1:20000
Related Product Information for anti-TNFSF9 antibody	MBS7121858 is an antibody targeting TNFSF9. Also known as TNFSF9 Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-TNFSF9 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-TNFSF9 antibody
Western Blot analysis of HuvEc cells using CD137L Polyclonal Antibody



Western Blot (WB) of anti-TNFSF9 antibody
Western Blot analysis of RAT-BRAIN RAT-LUNG RAT-SPLEEN cells using CD137L Polyclonal Antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TNFSF9. It may not necessarily be applicable to this product.

NCBI GI #	4507609
NCBI GeneID	8744
NCBI Accession #	NP_003802.1
UniProt Primary Accession #	P41273
UniProt Secondary Accession #	Q2M3S2
UniProt Related Accession #	P41273
GenBank Nucleotide #	NM_003811.3
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 9
NCBI Official Synonym Full Names	tumor necrosis factor (ligand) superfamily, member 9
NCBI Official Symbol	TNFSF9
NCBI Official Synonym Symbols	CD137L; 4-1BB-L
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 9
UniProt Synonym Protein Names	4-1BB ligand
Protein Family	Tumor necrosis factor ligand superfamily
UniProt Gene Name	TNFSF9
UniProt Synonym Gene Names	4-1BBL
UniProt Entry Name	TNFL9_HUMAN
NCBI Protein Information	tumor necrosis factor ligand superfamily member 9; 4-1BBL; 4-1BB ligand; receptor 4-1BB ligand; homolog of mouse 4-1BB-L
NCBI Summary for TNFSF9	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.[provided by RefSeq, Oct 2008]

UniProt Comments for TNFSF9	TNFL9: Cytokine that binds to TNFRSF9. Induces the proliferation of activated peripheral blood T-cells. May have a role in activation-induced cell death (AICD). May play a role in cognate interactions between T-cells and B-cells/macrophages. Belongs to the tumor necrosis factor family. Protein type: Cell cycle regulation; Membrane protein, integral; Cytokine; Apoptosis Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: extracellular space; plasma membrane; integral to membrane Molecular Function: cytokine activity; tumor necrosis factor receptor binding; receptor binding Biological Process: cell proliferation; positive regulation of interferon-gamma production; positive regulation of cytotoxic T cell differentiation; cell-cell signaling; apoptosis; positive regulation of interleukin-12 production; positive regulation of interleukin-6 production; immune response; myeloid dendritic cell differentiation; signal transduction; positive regulation of activated T cell proliferation
Research Articles on TNFSF9	**1.** CD137L is a novel diagnostic marker of subtypes of non-Hodgkin B-cell lymphomas.
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