

Mouse anti-Human CD137L/4-1BBL/TNFSF9 Monoclonal Antibody | anti-TNFSF9 antibody

CD137L/4-1BBL/TNFSF9

CATALOG # AAA215273	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD137L/4-1BBL/TNFSF9; Monoclonal Antibody; 4-1BB ligand; 4-1BBL; CD137L; ILA ligand (TNF related); Ly63l; Tumor necrosis factor ligand 5A (TNLG5A); Tumor necrosis factor ligand superfamily member 9 (TNFSF9); anti-TNFSF9 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	CD137L/1547
Specificity	TNFSF9/4-1BBL 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. It has been shown to reactivate anergic T lymphocytes in addition to promoting T lymphocyte proliferation. This cytokine is 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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	254
Applicable Applications for anti-TNFSF9 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Positive Control	Raji, 293T, HEK293 cells. Kidney.
Immunogen	Recombinant full-length human CD137L protein
Cellular Localization	Cell Surface and Cytoplasmic
Hu-chromosome Location	19p13.3
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



FCM/FACS (Flow Cytometry)
Flow Cytometric Analysis of PFA-fixed HEK293 cells using CD137L-Monospecific Mouse Monoclonal Antibody (CD137L/1547) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



SDS-PAGE
SDS-PAGE Analysis Purified CD137L-Monospecific Mouse Monoclonal Antibody (CD137L/1547). Confirmation of Purity and Integrity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with CD137L-Monospecific Mouse Monoclonal Antibody (CD137L/1547).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with CD137L-Monospecific Mouse Monoclonal Antibody (CD137L/1547).

ADDITIONAL INFORMATION

References	1. Zhao S, et al. Am J Surg Pathol, 2013 Feb. PMID 23095505. 2. Qian Y, et al. Med Oncol, 2015 Mar. PMID 25631633
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507609
NCBI GeneID	8744
NCBI Accession #	NP_003802.1
NCBI GenBank Nucleotide #	NP_003802.1
UniProt Accession #	P41273
Molecular Weight	27kDa
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 9
NCBI Official Synonym Full Names	TNF superfamily member 9
NCBI Official Symbol	TNFSF9
NCBI Official Synonym Symbols	CD137L; TNLG5A; 4-1BB-L
NCBI Protein Information	tumor necrosis factor ligand superfamily member 9
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 9
UniProt Gene Name	TNFSF9
UniProt Synonym Gene Names	4-1BBL
UniProt Entry Name	TNFL9_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.