

ARG66064 anti-CD137L / TNFSF9 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD137L / TNFSF9
Tested Reactivity	Hu
Tested Application	ELISA, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD137L / TNFSF9
Species	Human
Immunogen	E. coli derived recombinant Human TNFSF9. (MREGPELSPD DPAGLLDLRQ GMFAQLVAQN VLLIDGPLSW YSDPGLAGVS LTGGLSYKED TKELVAKAG VYYVFFQLEL RRVVAGEGSG SVSLALHLQP LRSAAGAAAL ALTVDLPPAS SEARNSAFGF QGRLLHLSAG QRLGVHLHTE ARARHAWQLT QGATVLGLFR VTPEIPAGLP SPRSE)
Conjugation	Un-conjugated
Alternate Names	4-1BBL; 4-1BB ligand; Tumor necrosis factor ligand superfamily member 9; 4-1BB-L; CD137L

Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG66065 as a detection antibody
	IHC-P	0.25 µg/ml
	WB	0.1 - 0.2 µg/ml

Application Note IHC-P: Antigen Retrieval: Incubate tissue section in a buffer (proteinase K) at RT for 10 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

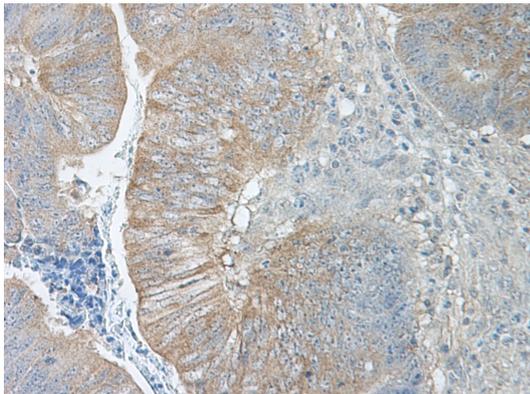
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

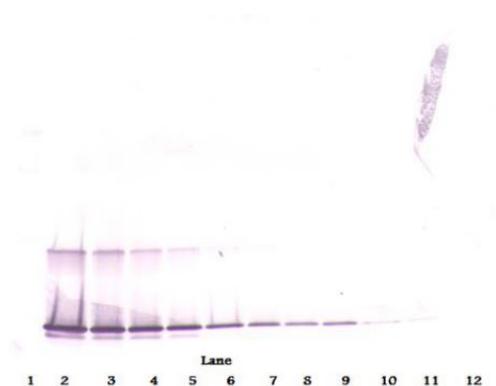
Database links	GeneID: 8744 Human Swiss-port # P41273 Human
Gene Symbol	TNFSF9
Gene Full Name	tumor necrosis factor (ligand) superfamily, member 9
Background	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This transmembrane cytokine is a 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]
Function	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. [UniProt]
Calculated Mw	27 kDa

Images



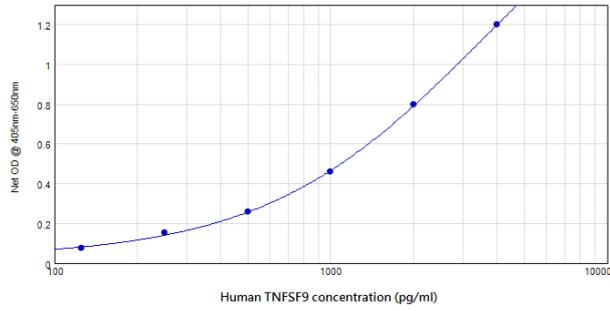
ARG66064 anti-CD137L / TNFSF9 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded sections of Human colon and rectum adenocarcinoma. The recommended ARG66064 anti-CD137L / TNFSF9 antibody concentration is 0.25 µg/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Antigen Retrieval: Incubate tissue section in a buffer (proteinase K) at RT for 10 min.



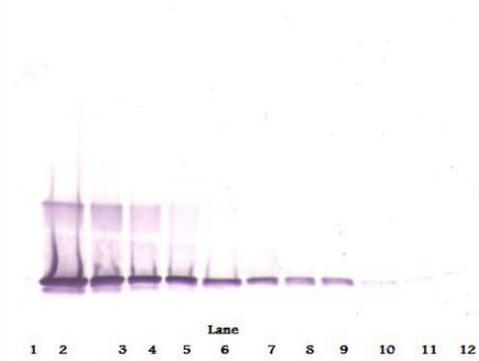
ARG66064 anti-CD137L / TNFSF9 antibody WB image

Western blot: 250 - 0.24 ng (left to right) of recombinant Human TNFSF9 stained with ARG66064 anti-CD137L / TNFSF9 antibody, under non-reducing conditions.



ARG66064 anti-CD137L / TNFSF9 antibody standard curve image

Sandwich ELISA: ARG66064 anti-CD137L / TNFSF9 antibody as a capture antibody at 0.5 - 2.0 $\mu\text{g}/\text{ml}$ combined with ARG66065 anti-TNFSF9 antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.



ARG66064 anti-CD137L / TNFSF9 antibody WB image

Western blot: 250 - 0.24 ng (left to right) of recombinant Human TNFSF9 stained with ARG66064 anti-CD137L / TNFSF9 antibody, under reducing conditions.