

## ARG43310 anti-CD137L / TNFSF9 antibody [CD137L/1547]

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [CD137L/1547] recognizes CD137L / TNFSF9
Tested Reactivity	Hu
Tested Application	FACS, IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	CD137L/1547
Isotype	IgG2a, kappa
Target Name	CD137L / TNFSF9
Species	Human
Immunogen	Recombinant full-length Human CD137L / TNFSF9 protein.
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
	FACS	1 - 2 µg/10 <sup>6</sup> cells
	IHC-P	1 - 2 µg/ml
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in 10 mM Tris with 1 mM EDTA (pH 9.0) for 10-20 min, followed by cooling at RT. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

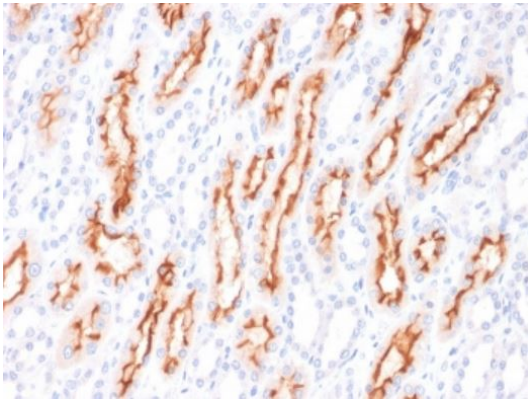
### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.05% Sodium azide and 0.1 mg/ml BSA.
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 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.

## Bioinformation

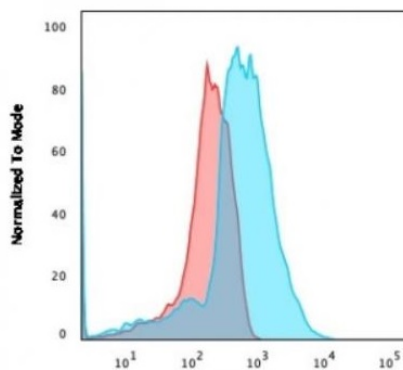
Gene Symbol	TNFSF9
Gene Full Name	tumor necrosis factor (ligand) superfamily, member 9
Background	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This transmembrane cytokine is a bidirectional signal transducer that acts as a ligand for TNFRSF9/4-1BB, 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
Cellular Localization	Membrane; Single-pass type II membrane protein. [UniProt]

## Images



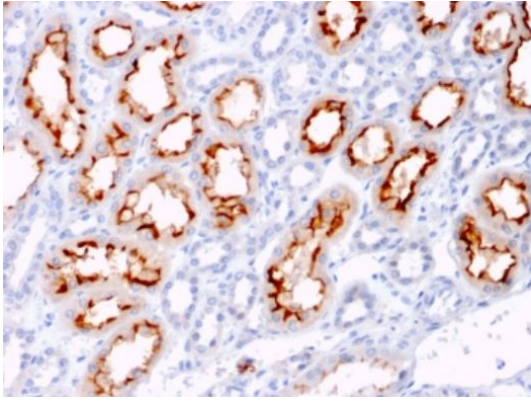
ARG43310 anti-CD137L / TNFSF9 antibody [CD137L/1547] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human renal cell carcinoma. Antigen Retrieval: Boil tissue section in 10 mM Tris with 1 mM EDTA (pH 9.0) for 10-20 min, followed by cooling at RT. The tissue section was stained with ARG43310 anti-CD137L / TNFSF9 antibody [CD137L/1547].



ARG43310 anti-CD137L / TNFSF9 antibody [CD137L/1547] FACS image

Flow Cytometry: PFA-fixed 293 cells stained with ARG43310 anti-CD137L / TNFSF9 antibody [CD137L/1547] (blue) or isotype control (red).



ARG43310 anti-CD137L / TNFSF9 antibody [CD137L/1547] IHC-P image

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