

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 ⁶ 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.	

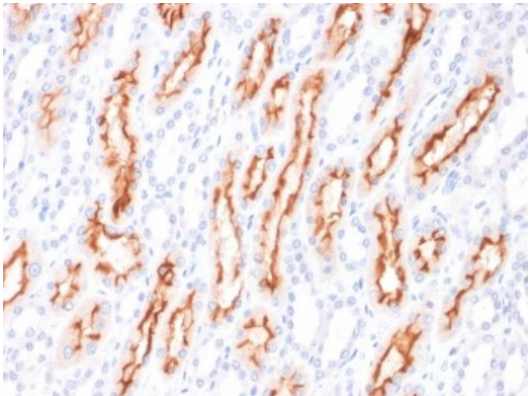
Properties

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

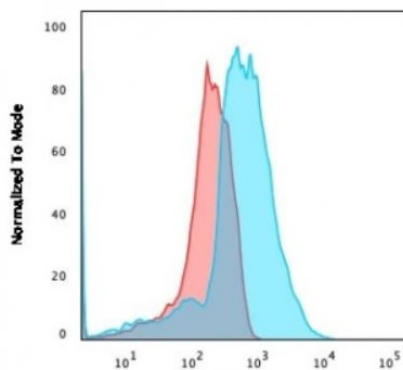
Gene Symbol	TNFSF9
Gene Full Name	tumor necrosis factor (ligand) superfamily, member 9
Background	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This transmembrane cytokine is a bidirectional signal transducer that acts as a ligand for TNFRSF9/4-1BB, 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



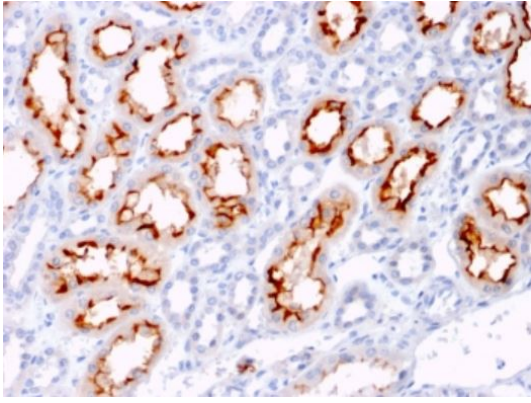
ARG43310 anti-CD137L / TNFSF9 antibody [CD137L/1547] IHC-P image

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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