

ARG43309 anti-CD137 antibody [4-1BB/3201]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [4-1BB/3201] recognizes CD137
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	4-1BB/3201
Isotype	IgG1, kappa
Target Name	CD137
Species	Human
Immunogen	Recombinant protein fragment within aa. 19-188 of Human CD137.
Conjugation	Un-conjugated
Alternate Names	ILA; CD137; T-cell antigen 4-1BB homolog; CDw137; T-cell antigen ILA; 4-1BB; CD antigen CD137; Tumor necrosis factor receptor superfamily member 9; 4-1BB ligand receptor

Application Instructions

Application table	Application	Dilution
	FACS	1 - 2 µg/10 ⁶ cells
	ICC/IF	1 - 5 µg/ml
	IHC-P	1 - 5 µg/ml
	WB	1-2µg/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

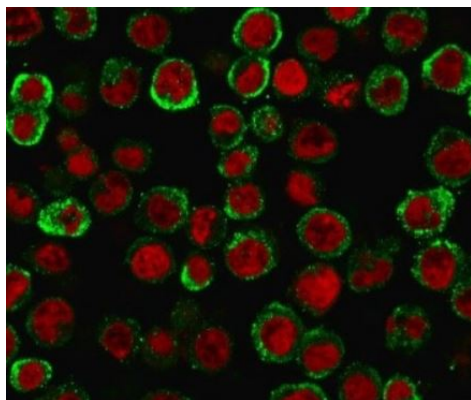
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.05% Sodium azide and 0.1 mg/ml BSA.
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml

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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

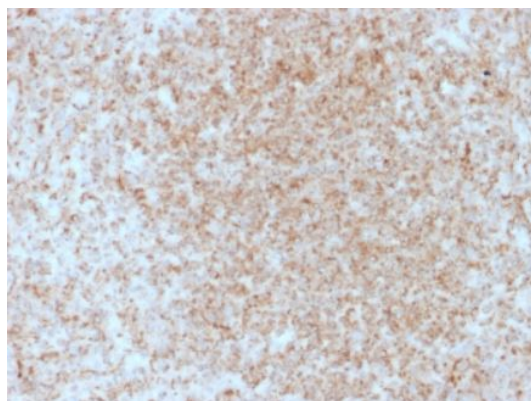
Gene Symbol	TNFRSF9
Gene Full Name	tumor necrosis factor receptor superfamily, member 9
Background	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contributes to the clonal expansion, survival, and development of T cells. It can also induce proliferation in peripheral monocytes, enhance T cell apoptosis induced by TCR/CD3 triggered activation, and regulate CD28 co-stimulation to promote Th1 cell responses. The expression of this receptor is induced by lymphocyte activation. TRAF adaptor proteins have been shown to bind to this receptor and transduce the signals leading to activation of NF-kappaB. [provided by RefSeq, Jul 2008]
Function	Receptor for TNFSF9/4-1BBL. Possibly active during T cell activation. [UniProt]
Calculated Mw	28 kDa
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG43309 anti-CD137 antibody [4-1BB/3201] ICC/IF image

Immunofluorescence: MeOH-fixed HEK293 cells stained with ARG43309 anti-CD137 antibody [4-1BB/3201] (green) and Reddot nuclear stain (red).

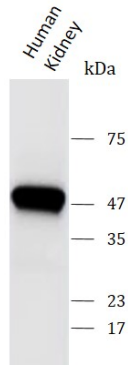


ARG43309 anti-CD137 antibody [4-1BB/3201] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human spleen tissue. 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 ARG43309 anti-CD137 antibody [4-1BB/3201].

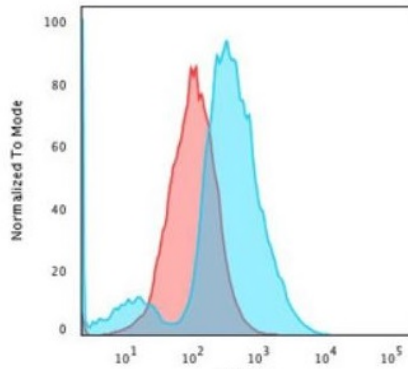
ARG43309 anti-CD137 antibody [4-1BB/3201] WB image

Western blot: Human Kidney stained with ARG43309 anti-CD137 antibody [4-1BB/3201] .



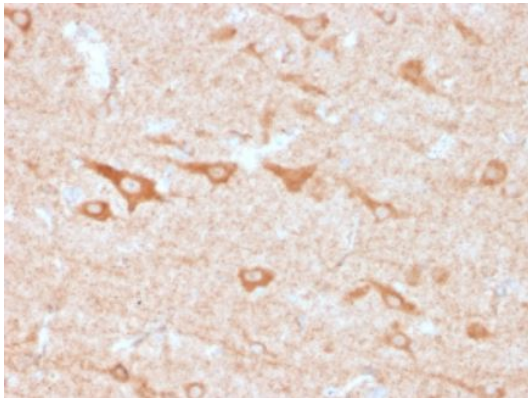
ARG43309 anti-CD137 antibody [4-1BB/3201] FACS image

Flow Cytometry: MeOH-fixed HEK293 cells stained with ARG43309 anti-CD137 antibody [4-1BB/3201] (blue) or isotype control (red).



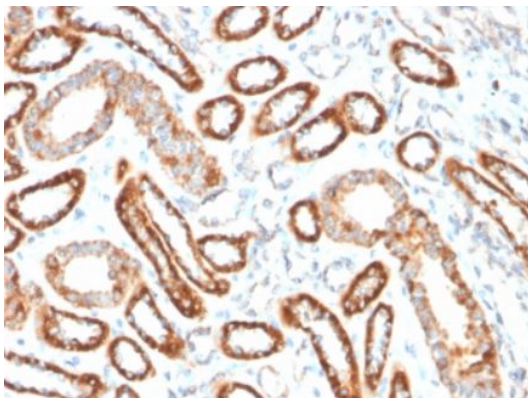
ARG43309 anti-CD137 antibody [4-1BB/3201] IHC-P image

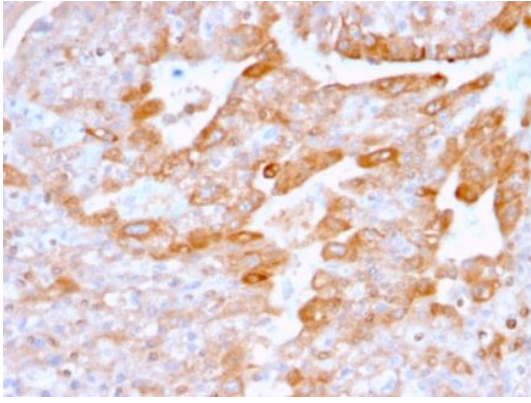
Immunohistochemistry: Formalin-fixed and paraffin-embedded Human cerebellum tissue. Antigen Retrieval: Boil tissue section in 10 mM Tris with 1 mM EDTA (pH 9.0) for 10-20 min, followed by cooling at RT. The tissue section was stained with ARG43309 anti-CD137 antibody [4-1BB/3201].



ARG43309 anti-CD137 antibody [4-1BB/3201] 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 ARG43309 anti-CD137 antibody [4-1BB/3201].





ARG43309 anti-CD137 antibody [4-1BB/3201] 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 ARG43309 anti-CD137 antibody [4-1BB/3201].