

Rabbit anti-Human CD137/4-1BB/TNFRSF9 Monoclonal Antibody | anti-TNFRSF9 antibody

CD137/4-1BB/TNFRSF9

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215500	Rabbit	Human	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

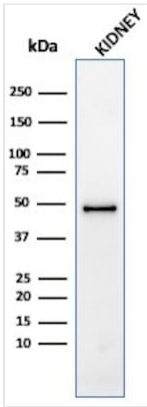
PRODUCT SYNONYMS

CD137/4-1BB/TNFRSF9; Monoclonal Antibody; 4-1BB Ligand Receptor T Cell; Antigen 4-1BB Homolog; CDw137; HLDA VI; Homolog of mouse 4 1BB; induced by lymphocyte activation (ILA); Interleukin activated receptor homolog of mouse Ly63; T-cell antigen 4-1BB / ILA homolog; Tumor necrosis factor receptor superfamily member 9; anti-TNFRSF9 antibody

PRODUCT SPECIFICATIONS

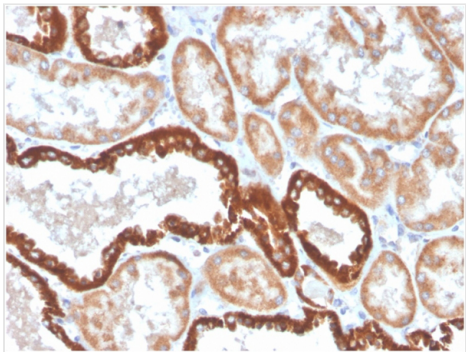
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	4-1BB/4552R
Specificity	CD137 belongs to the tumor necrosis factor receptor family and delivers a costimulatory signal to T lymphocytes. It is expressed on activated T cells and binds an inducible ligand that is found on B cells, macrophages and dendritic cells. Interactions between CD137 and its ligand are involved in antigen presentation and the generation of cytotoxic T cells. CD137 antibody may improve cancer treatment, and has been implicated in breast cancer, melanoma and lymphoma.
Purity/Purification	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	1.0mg/ml of Ab purified from Bioreactor Concentrate by Protein A/G.
Sequence Length	255
Applicable Applications for anti-TNFRSF9 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Immunogen	A recombinant fragment (around aa 19-188) of Human CD137 protein (exact sequence is proprietary)
Cellular Localization	Cell Surface
Antibody Type	Recombinant Antibody
Hu-chromosome Location	1p36.23
Positive Control	HEK293 cells, Jurkat whole cell lysate or Recombinant human CD137 protein (WB). Human kidney cancer, Liver, Stomach or Thyroid cancer tissue (IHC-P). Expressed on the surface of activated T-cells.
Preparation and Storage	Antibody without azide: store at -20°C to -80°C. Non-hazardous. No MSDS required.

IMAGES



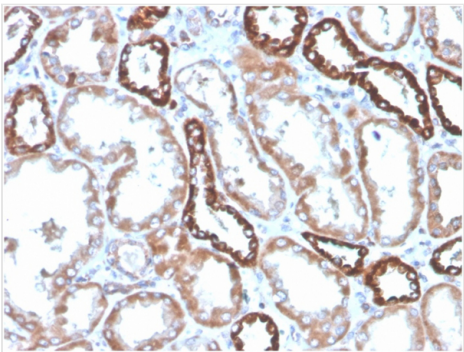
WB (Western Blot)

Western Blot Analysis of kidney tissue lysate using CD137 Recombinant Rabbit Monoclonal Antibody (4-1BB/4552R).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human kidney stained with CD137 Recombinant Rabbit Monoclonal Antibody (4-1BB/4552R).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded kidney stained with CD137 Recombinant Rabbit Monoclonal Antibody (4-1BB/4552R).

ADDITIONAL INFORMATION

References	Zhao S, et al. CD137 ligand is expressed in primary and secondary lymphoid follicles and in B-cell lymphomas: diagnostic and therapeutic implications. Am J Surg Pathol. 2013 Feb;37(2):250-8.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5730095
NCBI GeneID	3604
NCBI Accession #	NP_001552.2
NCBI GenBank Nucleotide #	NP_001552.2
UniProt Accession #	Q07011
Molecular Weight	32kDa (monomer); 85kDa (dimer)
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 9
NCBI Official Synonym Full Names	TNF receptor superfamily member 9
NCBI Official Symbol	TNFRSF9
NCBI Official Synonym Symbols	ILA; 4-1BB; CD137; CDw137
NCBI Protein Information	tumor necrosis factor receptor superfamily member 9
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 9

UniProt Gene Name	TNFRSF9
UniProt Synonym Gene Names	CD137; ILA
UniProt Entry Name	TNR9_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd137-4-1bb-tnfrsf9-antibody-clone-4-1bb-4552r-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/215500>