

Datasheet for ABIN6939788
anti-CD137 antibody (AA 19-188)

8 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD137 (TNFRSF9)
Binding Specificity:	AA 19-188
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD137 antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Coating (Coat), Staining Methods (StM)

Product Details

Immunogen:	A recombinant fragment (around aa 19-188) of human CD137 / 4-1BB / TNFRSF9 protein (exact sequence is proprietary)
Clone:	4-1BB-3201
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	CD137 (TNFRSF9)
Alternative Name:	TNFRSF9 (TNFRSF9 Products)

Target Details

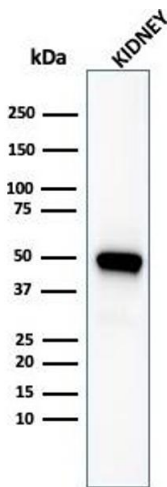
Background:	CD137 belongs to the tumor necrosis factor receptor family and delivers a costimulatory signal to T lymphocytes. It is expressed on activated T cells and binds an inducible ligand that is found on B cells, macrophages and dendritic cells. Interactions between CD137 and its ligand are involved 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.
Molecular Weight:	32kDa (monomer), 85kDa (dimer)
Gene ID:	3604
UniProt:	Q07011
Pathways:	Cancer Immune Checkpoints

Application Details

Application Notes:	<p>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.</p> <p>Known Application: ELISA (For coating, order antibody without BSA), Immunofluorescence (1-2 µg/mL), Flow Cytometry (1-2 µg/million cells), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.</p>
Restrictions:	For Research Use only

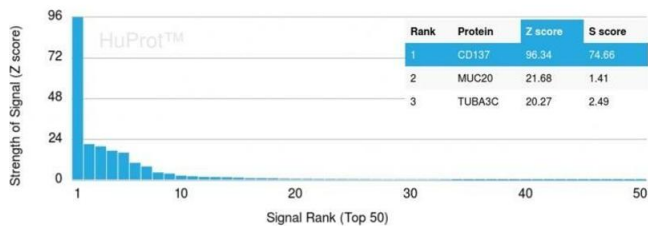
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



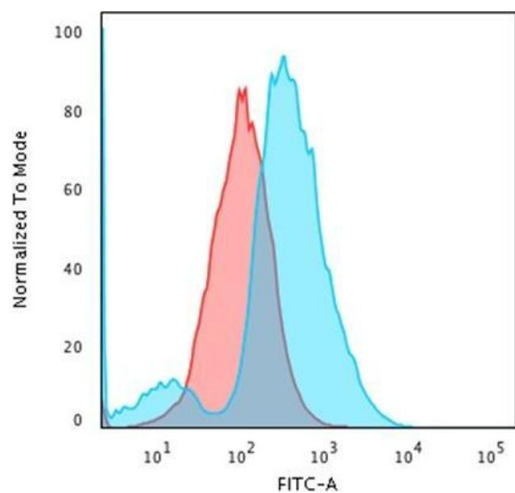
Western Blotting

Image 1. Western Blot Analysis of kidney tissue lysate using CD137-Monospecific Mouse Monoclonal Antibody (4-1BB/3201).



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using CD137-Monospecific Mouse Monoclonal Antibody (4-1BB/3201). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Flow Cytometry

Image 3. Flow Cytometric Analysis of MeOH-fixed HEK293 cells. CD137-Monospecific Mouse Monoclonal Antibody (4-1BB/3201) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN6939788.