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36-2594: Anti-CD137 / 4-1BB / TNFRSF9 Monoclonal Antibody(Clone: 4-1BB/3201)

Clonality :	Monoclonal
Clone Name :	4-1BB/3201
Application :	ELISA,IF,FACS,WB,IHC
Reactivity :	Human
Gene :	TNFRSF9
Gene ID :	3604
Uniprot ID :	Q07011
Alternative Name :	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
Isotype :	Mouse IgG1, kappa
Immunogen Information :	A recombinant fragment (around aa 19-188) of human CD137 / 4-1BB / TNFRSF9 protein (exact sequence is proprietary)

Description

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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	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.

Application Note

ELISA (For coating, order antibody without BSA);,Immunofluorescence (1-2ug/ml); Flow Cytometry (1-2ug/million cells); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (2-4ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 &degC followed by cooling at RT for 20 minutes),

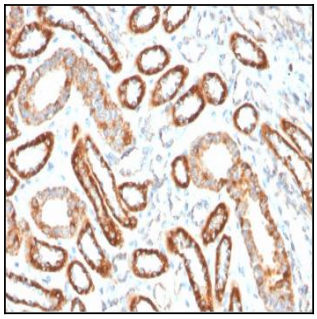


Fig. 1: Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with CD137-Monospecific Mouse Monoclonal Antibody (4-1BB/3201).

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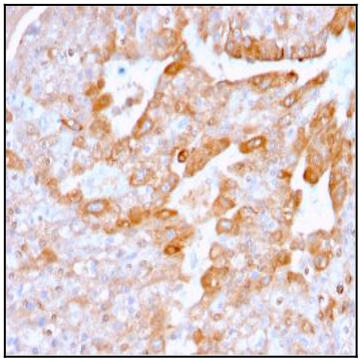


Fig. 2: Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with CD137-Monospecific Mouse Monoclonal Antibody (4-1BB/3201).

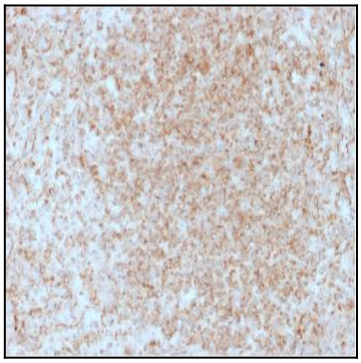


Fig. 3: Formalin-fixed, paraffin-embedded human Spleen stained with CD137-Monospecific Mouse Monoclonal Antibody (4-1BB/3201).

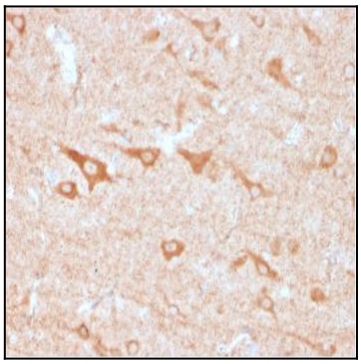


Fig. 4: Formalin-fixed, paraffin-embedded human Cerebellum stained with CD137-Monospecific Mouse Monoclonal Antibody (4-1BB/3201).

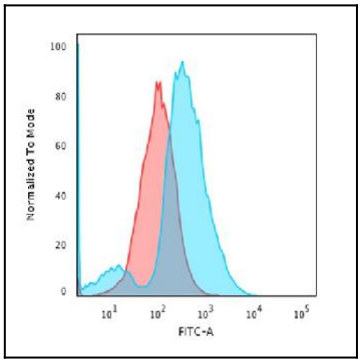


Fig. 5: Flow Cytometric Analysis of MeOH-fixed HEK293 cells. CD137-Monospecific Mouse Monoclonal Antibody (4-1BB/3201) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

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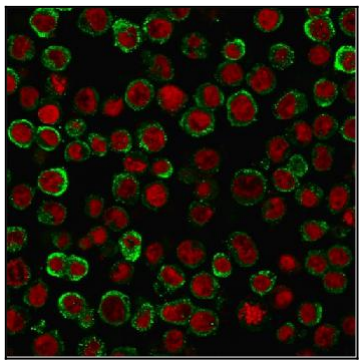


Fig. 6: Immunofluorescent staining of MeOH-fixed HEK293 cells. CD137-Monospecific Mouse Monoclonal Antibody (4-1BB/3201) followed by goat anti-Mouse IgG-CF488 (Green). Nuclei are stained with Reddot (red).

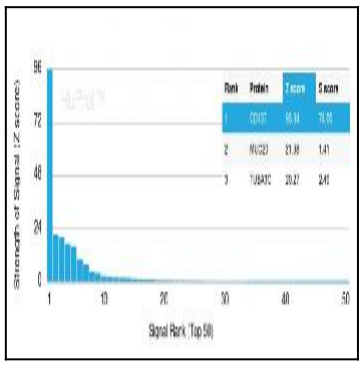


Fig. 7: Analysis of Protein Array containing more than 19,000 full-length human proteins using CD137-Monospecific Mouse Monoclonal Antibody (4-1BB/3201). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) 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.

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