

Product Datasheet

Recombinant CD137 Antibody / 4-1BB / TNFRSF9 (orb699703)

Catalog Number	orb699703
Category	Antibodies
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.
Clonality	Recombinant
Species/Host	Mouse
Isotype	Mouse IgG2a, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein G affinity chromatography
Immunogen	A portion of amino acids 19-188 from the human protein was used as the immunogen for the recombinant CD137 antibody.
UniProt ID	Q07011
Tested applications	IHC-P

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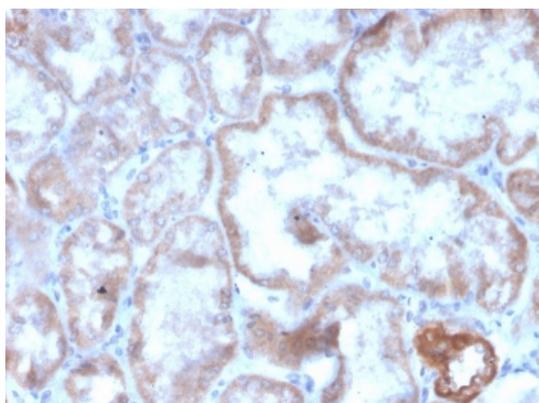
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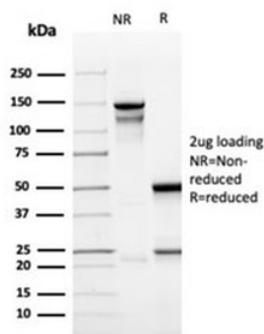
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Dilution range	Immunohistochemistry (FFPE): 2-4ug/ml for 30 minutes at RT
Application notes	Optimal dilution of the recombinant CD137 antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	r4-1BB/4603
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



IHC staining of FFPE human kidney with recombinant CD137 antibody (clone r4-1BB/4603). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant CD137 antibody (clone r4-1BB/4603) as confirmation of integrity and purity.

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