

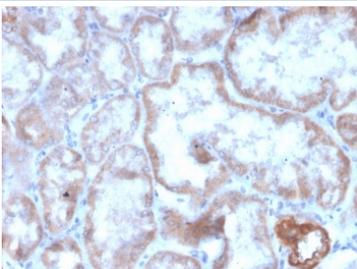
## Recombinant CD137 Antibody / 4-1BB / TNFRSF9 [clone r4-1BB/4603] (V8636)

Catalog No.	Formulation	Size
V8636-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8636-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8636SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant **MOUSE MONOCLONAL**

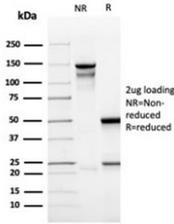
[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Recombinant Mouse Monoclonal
<b>Isotype</b>	Mouse IgG2a, kappa
<b>Clone Name</b>	r4-1BB/4603
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	Q07011
<b>Localization</b>	Cell surface
<b>Applications</b>	Immunohistochemistry (FFPE) : 2-4ug/ml for 30 minutes at RT
<b>Limitations</b>	This recombinant CD137 antibody is available for research use only.



IHC staining of FFPE human kidney with recombinant CD137 antibody (clone r4-1BB/4603). HIER: boil tissue sections in pH 9 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.



## 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.

## Application Notes

Optimal dilution of the recombinant CD137 antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 19-188 from the human protein was used as the immunogen for the recombinant CD137 antibody.

## Storage

Store the recombinant CD137 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).