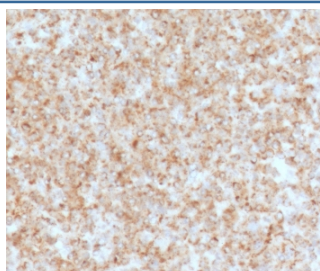


## CD137 Antibody / 4-1BB / TNFRSF9 [clone CDLA137-1] (V7531)

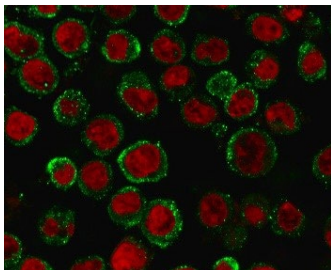
Catalog No.	Formulation	Size
V7531-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7531-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7531SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7531IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	CDLA137-1
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	Q07011
<b>Localization</b>	Cell surface, cytoplasmic
<b>Applications</b>	Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT Prediluted IHC Only Format : incubate for 30 min at RT (1)
<b>Limitations</b>	This CD137 antibody is available for research use only.



IHC staining of FFPE human spleen with CD137 antibody (clone CDLA137-1). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



Immunofluorescence staining of MeOH-fixed human HEK293 cells with CD137 antibody (green, clone CDLA137-1) and Reddot nuclear stain (red).

## 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 CD137 antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

A recombinant human CD137 protein fragment within amino acids 19-188 was used as the immunogen for the CD137 antibody.

## Storage

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