

Datasheet for ABIN2870585

CD137 Protein (AA 24-186) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	CD137 (TNFRSF9)
Protein Characteristics:	AA 24-186
Origin:	Cynomolgus, Rhesus Monkey
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD137 protein is labelled with His tag.

Product Details

Sequence:	AA 24-186
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 19.2 kDa. The protein migrates as 30-40 kDa under reducing (R) condition (SDS-PAGE).
Purity:	>92 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	CD137 (TNFRSF9)
Alternative Name:	4-1BB (TNFRSF9 Products)
Background:	4-1BB is also known as CD137, tumor necrosis factor receptor superfamily member 9

Target Details

(TNFRSF9), induced by lymphocyte activation (ILA), is a co-stimulatory molecule of the tumor necrosis factor (TNF) receptor superfamily. CD137 can be expressed by activated T cells, but to a larger extent on CD8 than on CD4 T cells. In addition, CD137 expression is found on dendritic cells, follicular dendritic cells, natural killer cells, granulocytes and cells of blood vessel walls at sites of inflammation. The best characterized activity of CD137 is its costimulatory activity for activated T cells. Crosslinking of CD137 enhances T cell proliferation, IL-2 secretion survival and cytolytic activity. Further, it can enhance immune activity to eliminate tumors in mice. CD137 can enhance activation-induced T cell apoptosis when triggered by engagement of the TCR/CD3 complex. In addition, 4-1BB/4-1BBL co-stimulatory pathway has been shown to augment secondary CTL responses to several viruses, and meanwhile augment anti-tumor immunity. 4-1BB thus is a promising candidate for immunotherapy of human cancer. CD137 has been shown to interact with TRAF2.

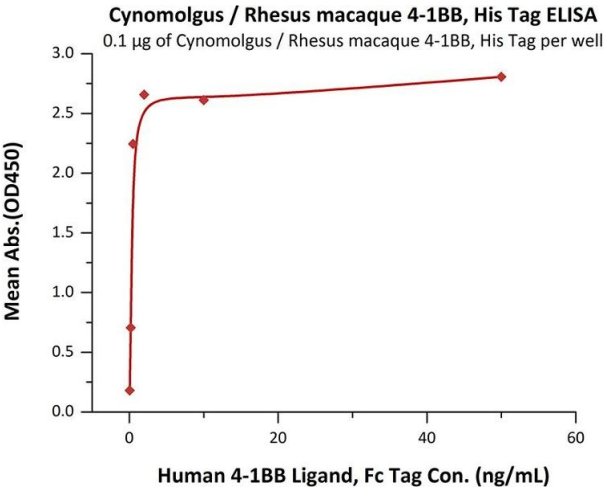
Molecular Weight:	19.2 kDa
NCBI Accession:	XP_005544945
Pathways:	Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only
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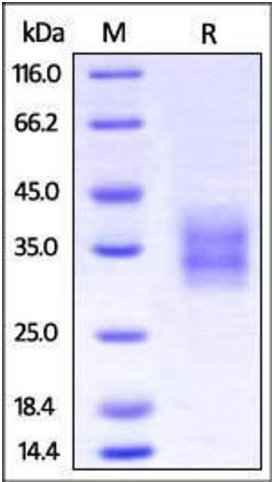
Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C



ELISA

Image 1. Immobilized Cynomolgus / Rhesus macaque 4-1BB, His Tag (ABIN2870584,ABIN2870585) at 1 µg/mL (100 µL/well) can bind Human 4-1BB Ligand, Fc Tag (ABIN2870602,ABIN2870603) with a linear range of 0.05-0.5 ng/mL (QC tested).



SDS-PAGE

Image 2. Cynomolgus 4-1BB, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 92%.