

Datasheet for ABIN7273926

CD137 Protein (AA 24-211) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD137 (TNFRSF9)
Protein Characteristics:	AA 24-211
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD137 protein is labelled with His tag.

Product Details

Purpose:	Mouse 4-1BB/TNFRSF9 Protein
Sequence:	Val24-Leu211
Characteristics:	Recombinant Mouse 4-1BB/TNFRSF9 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Val24-Leu211.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	CD137 (TNFRSF9)
Alternative Name:	4-1BB (TNFRSF9 Products)

Target Details

Background:	4-1BB, is also known as CD137, is a type 2 transmembrane glycoprotein receptor belonging to the TNF 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, B cells, follicular dendritic cells, natural killer cells, granulocytes and cells of blood vessel walls at sites of inflammation.
Molecular Weight:	21.2 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
NCBI Accession:	NP_001070976
Pathways:	Cancer Immune Checkpoints

Application Details

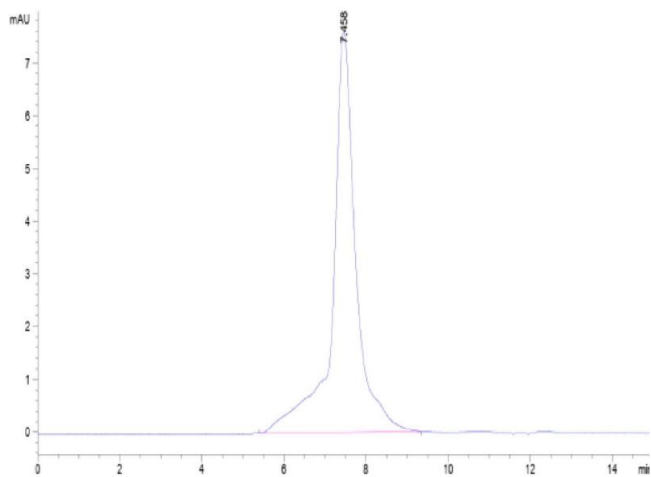
Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Mouse 4-1BB is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Mouse 4-1BB on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

