

Datasheet for ABIN6961084  
**CD137 Protein (mFc-His Tag)**

## 2 Images

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## Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 100 µg   |
| Target:                       | CD137 (TNFRSF9)                                  |
| Origin:                       | Human  |
| Source:                       | HEK-293 Cells                                    |
| Protein Type:                 | Recombinant                                      |
| Purification tag / Conjugate: | This CD137 protein is labelled with mFc-His Tag. |
| Application:                  | ELISA, Flow Cytometry (FACS)                     |

## Product Details

|                  |   |
|------------------|---|
| Purpose:         | Recombinant human 4-1BB protein with C-terminal mouse Fc and 6xHis tag                                |
| Specificity:     | 41BB (Leu24-Gln186) mFc (Pro99-Lys330) 6xHis  |
| Characteristics: | Extracellular Domain Protein  |
| Purification:    | affinity purification   |
| Purity:          | The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining. |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | CD137 (TNFRSF9)                              |
| Alternative Name: | 4-1BB ( <a href="#">TNFRSF9 Products</a> )   |
| Background:       | Synonyms: TNFRSF9, 4-1BB, CD137, CDw137, ILA |

## Target Details

Description: The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contributes to the clonal expansion, survival, and development of T cells. It can also induce proliferation in peripheral monocytes, enhance T cell apoptosis induced by TCR/CD3 triggered activation, and regulate CD28 co-stimulation to promote Th1 cell responses. The expression of this receptor is induced by lymphocyte activation. TRAF adaptor proteins have been shown to bind to this receptor and transduce the signals leading to activation of NF-kappaB.

Molecular Weight: predicted molecular mass of 54-60 kDa after removal of the signal peptide.

Gene ID: 3604

UniProt: [Q07011](#)

Pathways: [Cancer Immune Checkpoints](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Reconstitute with deionized water

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

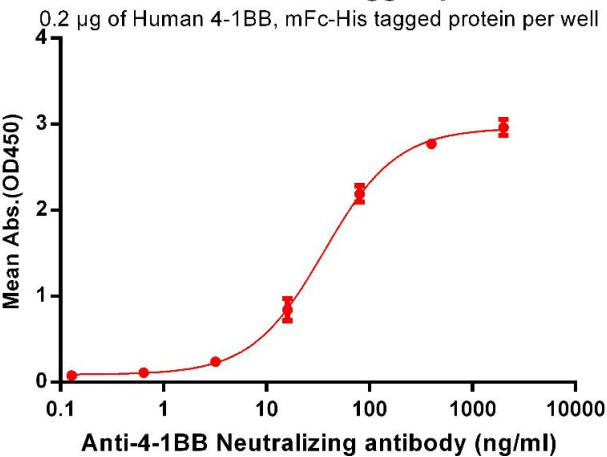
Preservative: Without preservative

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months

Human 4-1BB, mFc-His Tagged protein ELISA



ELISA

**Image 1.** ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human 4-1BB, mFc-His tagged protein (ABIN6961084) can bind Anti-4-1BB Neutralizing antibody in a linear range of 3.2-400 ng/mL.

SDS-PAGE

**Image 2.** Human 4-1BB Protein, mFc-His Tag on SDS-PAGE under reducing condition.