

Datasheet for ABIN7092873
anti-CD137 antibody (AA 24-186)

5 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD137 (TNFRSF9)
Binding Specificity:	AA 24-186
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CD137 antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant human 4-1BB (Leu24-Gln186) (ABIN6961084) produced by using human HEK293 cells
Clone:	DM66
Isotype:	IgG
Purification:	Purified from cell culture supernatant by affinity chromatography

Target Details

Target:	CD137 (TNFRSF9)
Alternative Name:	4-1BB (TNFRSF9 Products)
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: 27.9kDa

Gene ID: 3604

UniProt: [Q07011](#)

Pathways: [Cancer Immune Checkpoints](#)

Application Details

Application Notes: ELISA 1/5000-10000, Flow Cyt 1/100

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., 0.1 % Procline 300

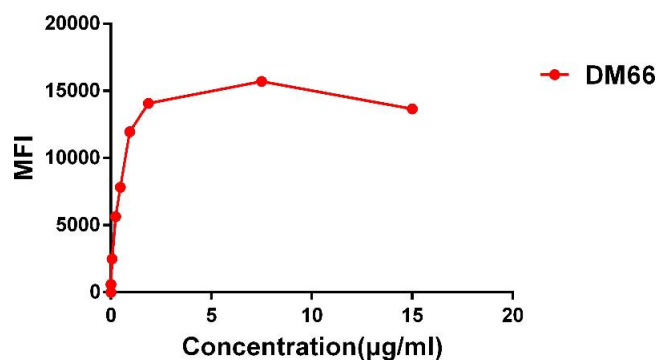
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

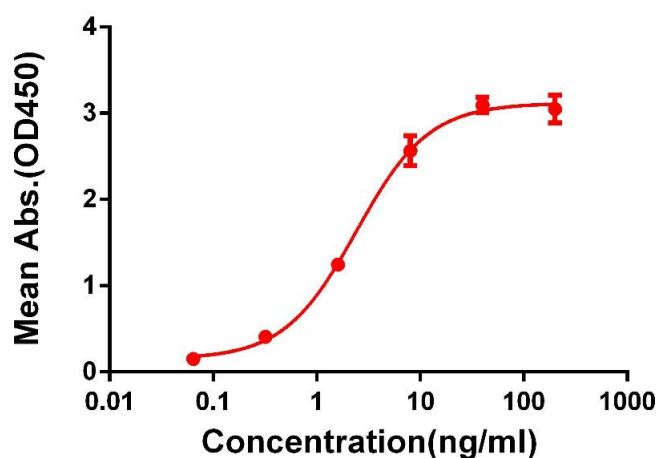
Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



Titration

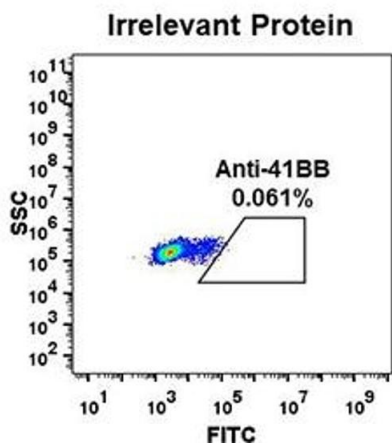
Image 1. Affinity ranking of different Rabbit anti-4-1BB mAb clones by titration of different concentration onto Expi 293 cell line transfected with human 4-1BB. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.



ELISA

Image 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human 4-1BB Protein, mFc-His Tag ((ABIN6961084, ABIN7042197 and ABIN7042198)) can bind Rabbit anti-4-1BB monoclonal antibody (clone: DM66) in a linear range of 1-100 ng/mL.

A



Flow Cytometry

Image 3. Expi 293 cell line transfected with irrelevant protein (A) and human 4-1BB (B) were surface stained with Rabbit anti-4-1BB monoclonal antibody 1 µg/mL (clone: DM66) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7092873.