



Datasheet for ABIN7072692

## Recombinant anti-CD137 antibody



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### 2 Images

#### Overview

Quantity:	200 µg
Target:	CD137 (TNFRSF9)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Application:	ELISA, Flow Cytometry (FACS), Immunohistochemistry (IHC), Blocking Reagent (BR)

#### Product Details

Immunogen:	The original antibody was generated by immunizing BALB/c mice with a fusion protein of human 4-1BB antigen and glutathione s transferase (GST).
Clone:	4B4-1-1
Isotype:	IgG kappa
Characteristics:	Original Species of Ab: Mouse Original Format of Ab: IgG1
Purification:	Purified antibody.

#### Target Details

Target:	CD137 (TNFRSF9)
Alternative Name:	4-1BB ( <a href="#">TNFRSF9 Products</a> )

## Target Details

Background: CD137, MGC2172, Tumor necrosis factor receptor superfamily member 9 (TNFRSF9), T cell antigen ILA, Interleukin activated receptor, 4-1BB ligand receptor CDw137, T-cell antigen 4-1BB homolog, T-cell antigen ILA.

UniProt: [Q07011](#)

Pathways: [Cancer Immune Checkpoints](#)

## Application Details

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

Comment: This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Restrictions: For Research Use only

## Handling

Buffer: PBS with 0.02 % Proclin 300.

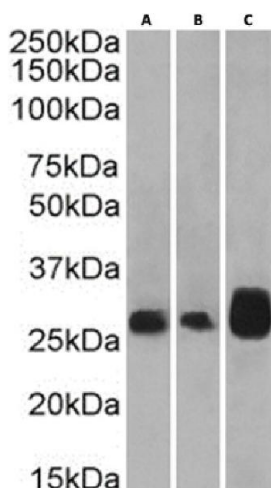
Preservative: ProClin

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

Storage: 4 °C, -20 °C

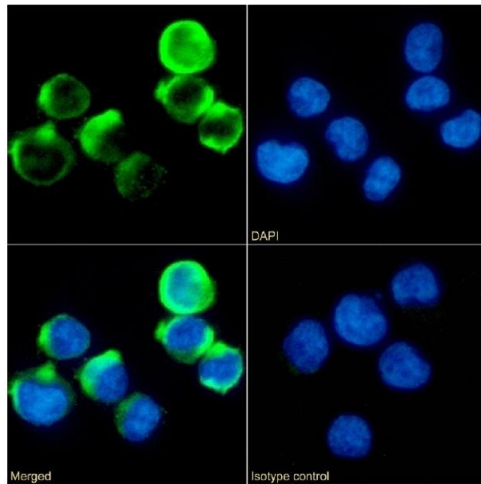
Storage Comment: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

## Images



### Western Blotting

**Image 1.** Western Blot using anti-4-1BB antibody 4B4-1-1. Human thymus(A), lymph node(B) and tonsil(C) tissue lysate (35 µg protein in RIPA buffer) was resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of 4B4-1-1 (ABIN7072692) at 0.3 µg/mL before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.



### Immunofluorescence

**Image 2.** Immunofluorescence staining of fixed Jurkat cells with anti-4-1BB antibody 4B4-1-1. Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of 4B4-1-1 (ABIN7072692) at 10 µg/mL for 1h followed by Alexa Fluor® 488 secondary antibody (2 µg/mL), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom ABIN7072692, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody (ABIN5668125) followed by staining with Alexa Fluor® 488 secondary antibody.