

# 4-1BB/CD137 Rabbit pAb

Catalog No.: A2025

## Basic Information

### Observed MW

27kDa

### Calculated MW

28kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P

### Cross-Reactivity

Human, Mouse, Rat

## Background

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.

## Recommended Dilutions

WB 1:500 - 1:2000

IHC-P 1:50 - 1:200

## Immunogen Information

### Gene ID

3604

### Swiss Prot

Q07011

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 100-200 of human 4-1BB/CD137 (NP\_001552.2).

### Synonyms

ILA; 4-1BB; CD137; CDw137; IMD109; 4-1BB/CD137

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

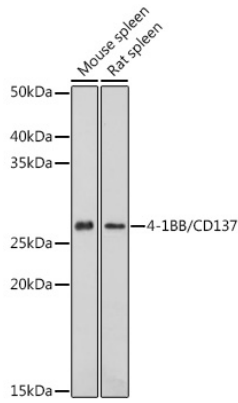
Affinity purification

### Storage

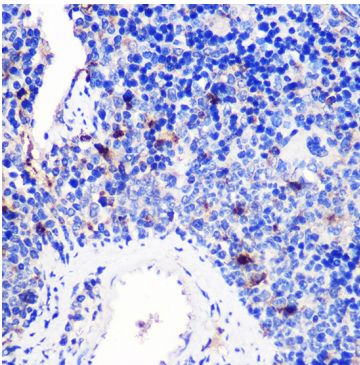
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

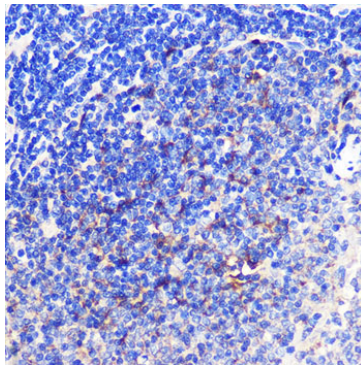
## Validation Data



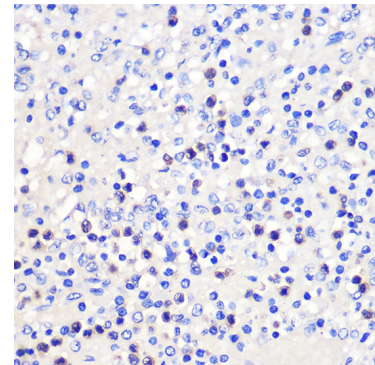
Western blot analysis of various lysates using 4-1BB/CD137 Rabbit pAb (A2025) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen using 4-1BB/CD137 Rabbit pAb (A2025) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Rat spleen using 4-1BB/CD137 Rabbit pAb (A2025) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Human spleen using 4-1BB/CD137 Rabbit pAb (A2025) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.