

## Anti-4-1BB/CD137/TNFRSF9 Antibody (9T808)

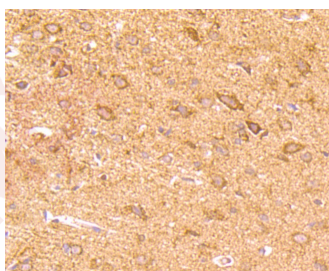
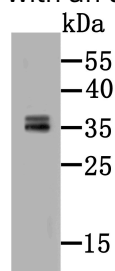
### Product Details

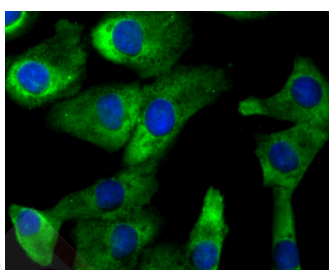
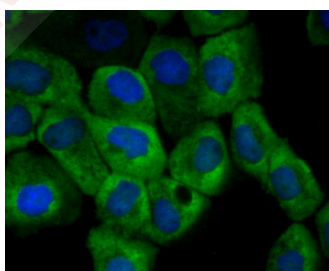
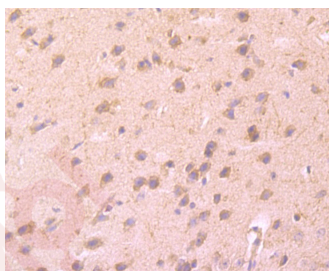
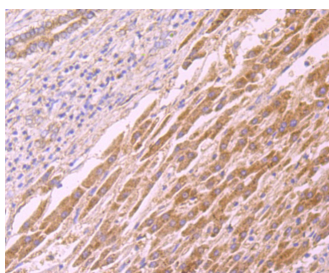
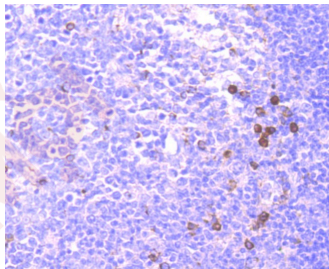
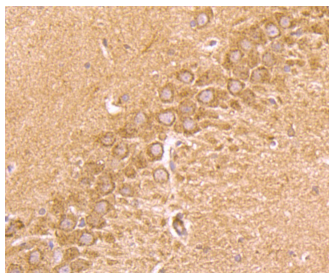
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 35 kDa.
Clone:	9T808
Purification:	ProA affinity purified

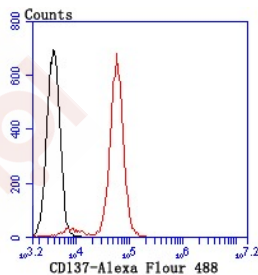
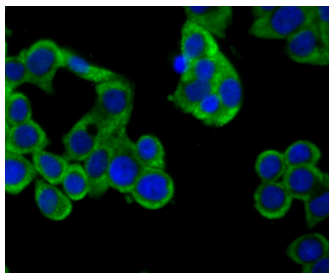
### Applications

#### Verified Activity:

1. Western blot analysis of CD137 on HepG2 cell lysate using anti-CD137 antibody at 1/500 dilution.
2. Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-CD137 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded rat hippocampus tissue using anti-CD137 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD137 antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-CD137 antibody. Counter stained with hematoxylin.
6. Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-CD137 antibody. Counter stained with hematoxylin.
7. ICC staining CD137 (green) in A431 cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
8. ICC staining CD137 (green) in A549 cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
9. ICC staining CD137 (green) in LOVO cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
10. Flow cytometric analysis of Jurkat cells with CD137 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).







Application: FCM,ICC,IHC,WB

Recommended WB: 1:500; IHC: 1:50-200; ICC: 1:100-500; FCM: 1:50-200

## Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

## Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q07011

Synonyms: CDw137;41BB;ILA;TNFRSF9;4-1BB;FLJ43501;4-1BB ligand receptor;T cell antigen ILA;CD137

## Research Background

CD137, also designated ILA and 4-1BB in mouse, belongs to the tumor necrosis factor receptor family and delivers a costimulatory signal to T lymphocytes. CD137 is expressed on activated T cells and binds an inducible ligand that is found on B cells, macrophages, and dendritic cells. Interactions between CD137 and its ligand are involved in antigen presentation and the generation of cytotoxic T cells. Crosslinking of the CD137 ligand induces apoptosis in resting lymphocytes. In contrast, CD137 regulates peripheral monocyte survival by inducing a cytokine release profile, and is mediated by M-CSF and to a lesser extent by granulocyte-macrophage colony-stimulating factor and IL-3. Soluble forms of CD137 are found in sera from patients with rheumatoid arthritis and may provide a negative control mechanism for immune responses.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481