SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CD137 antibody

Catalog Number: SL23572R

FOR RESEARCH USE ONLY

[DATASHEET]

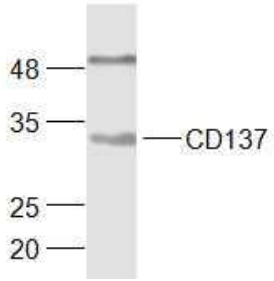
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CD137
Immunogen:	KLH conjugated synthetic peptide derived from human CD137 : 81-180/255 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human
Predicted MW.:	25kDa
Subcellular Location:	The cell membrane
Background:	CD137 exists on the cell surface as a monomer with a molecular mass of 30 kDa and as a dimer of 55 kDa. Human and mouse CD137 share 60% amino acid identity. CD137 (4-1BB), a member of the tumour necrosis factor receptor superfamily, is a type I transmembrane glycoprotein expressed on the cell surface of activated splenic T cells and thymocytes. The functions of CD137 in T lymphocytes include regulating activation, proliferation and apoptosis. CD137 and CD28 are costimulatory molecules of T cell activation. Costimulatory molecules are important in initiating anti-tumor immune responses. CD137 plays an important role in regulating T-cell-dependent immune responses. Expression of CD137 correlates negatively with lymphocyte proliferation and positively with the degree of activation-induced cell death caused by mitogen overstimulation. In monocytes, CD137 induces activation, promotes adherence and prolongs survival.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

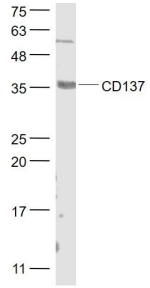
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	Function: Receptor for TNFSF9/4-1BBL. Possibly active during T cell activation. **Subunit:** Interacts with TRAF1, TRAF2 and TRAF3. Interacts with LRR-repeat protein 1/LRR-1. **Subcellular Location:** Membrane; Single-pass type I membrane protein. **Tissue Specificity:** Expressed on the surface of activated T-cells. **Similarity:** Contains 4 TNFR-Cys repeats. **Database links:** **Entrez Gene:** 3604 Human Omim: 602250 Human **SwissProt:** Q07011 Human **Unigene:** 654459 Human

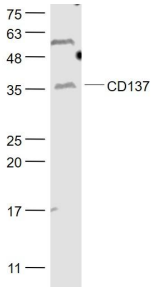
[VALIDATION IMAGES]



Sample:
Raji(Human) Cell Lysate at 30 ug
Primary: Anti-CD137 (SL23572R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 25 kD
Observed band size: 30 kD



Sample:
Jurkat(Human) Cell Lysate at 30 ug
Primary: Anti- CD137 (SL23572R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 25 kD
Observed band size: 35 kD



Sample:
Hcclm3(Human) Cell Lysate at 30 ug
Primary: Anti- CD137 (SL23572R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 25 kD
Observed band size: 35 kD

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