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## CD137 Rabbit pAb

Catalog Number: bs-23572R

Target Protein: CD137

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Human

Predicted MW: 25 kDa

Entrez Gene: 3604

Swiss Prot: Q07011

Source: KLH conjugated synthetic peptide derived from human CD137 : 81-180/255.

Purification: affinity purified by Protein A

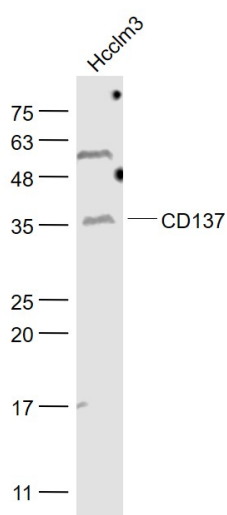
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

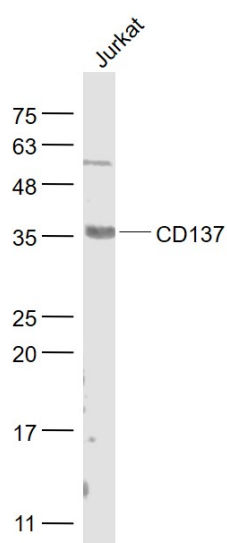
**Background:** CD137 exists on the cell surface as a monomer with a molecular mass of 30 kDa and as a dimer of 55 kDa. Human and mouse CD137 share 60% amino acid identity. CD137 (4-1BB), a member of the tumour necrosis factor receptor superfamily, is a type I transmembrane glycoprotein expressed on 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.

### VALIDATION IMAGES

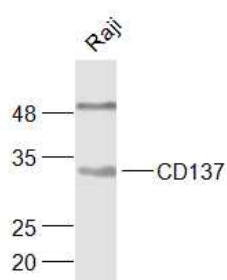
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Sample: Hcclm3(Human) Cell Lysate at 30 ug Primary: Anti- CD137 (bs-23572R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 25 kD Observed band size: 35 kD



Sample: Jurkat(Human) Cell Lysate at 30 ug Primary: Anti- CD137 (bs-23572R) 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: Raji(Human) Cell Lysate at 30 ug Primary: Anti-CD137 (bs-23572R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 25 kD Observed band size: 30 kD

## PRODUCT SPECIFIC PUBLICATIONS

[IF=12.91] Kai Ye. et al. An armed oncolytic virus enhances the efficacy of tumor-infiltrating lymphocyte therapy by converting tumors to artificial antigen presenting cells in situ. MOL THER. 2022 Jun;; IHC ; Mouse . 35715953

[IF=12.5] Wang Simeng. et al. Loss of CDKN2A Enhances the Efficacy of Immunotherapy in EGFR Mutant Non-Small Cell Lung Cancer. CANCER RES. 2024 Nov;; WB ; Rat,Mouse . 39514336

[IF=2.561] Peng X et al. Overexpression of modified human TR $\beta$ 1 suppresses the growth of hepatocarcinoma SK-hep1 cells in vitro and in xenograft models.Mol Cell Biochem. 2018 Dec;449(1-2):207-218. IHC ; Mouse . 29679278