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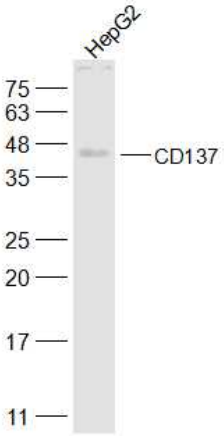
CD137 Rabbit pAb

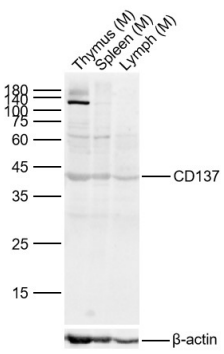
Catalog Number:	bs-2449R
Target Protein:	CD137
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000)
Reactivity:	Human, Mouse
Predicted MW:	25 kDa
Entrez Gene:	3604
Swiss Prot:	Q07011
Source:	KLH conjugated synthetic peptide derived from human CD137: 101-200/255.
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

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



Sample: HepG2(Human) Cell Lysate at 30 ug Primary: Anti-CD137 (bs-2449R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 25 kD Observed band size: 39 kD



Sample: Lane 1: Mouse Thymus Lysates Lane 2: Mouse Spleen Lysates Lane 2: Mouse Lymph Lysates Primary: Anti-CD137 (bs-2449R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 25kDa Observed band size: 42kDa

PRODUCT SPECIFIC PUBLICATIONS

[IF=8.38] Daquinag, A. C., et al. "Depletion of white adipocyte progenitors induces beige adipocyte differentiation and suppresses obesity development." Cell Death & Differentiation (2014). Other ; ="Mouse" . 25342467

[IF=3.79] Claycombe, Kate J., et al. "Decreased beige adipocyte number and mitochondrial respiration coincide with increased histone methyl transferase (9Ga) and reduced FGF21 gene expression in Sprague Dawley rats fed prenatal low protein and postnatal high fat diets." The Journal of Nutritional Biochemistry (2016). FCM ; ="Rat" . 27133430

[IF=3.743] Lei W et al. Phthalides, senkyunolide A and ligustilide, show immunomodulatory effect in improvingatherosclerosis, through inhibiting AP-1 and NF-κB expression. Biomed Pharmacother. 2019 Jun 6;117:109074. WB ; Mouse . 31177061

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