

0204

4-1BBL/CD137L/TNFSF9 (E8W3P) Rabbit



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Applications: IP, IHC-Bond, IHC-P	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 28	Source/Isotype: Rabbit IgG	UniProt ID: #P41273	Entrez-Gene Id: 8744
Product Usage		Application			Dilution	
Information		Immunoprecipitation			1:100	
		IHC Leica Bond		1:300 - 1:1200		
		Immunohistochemistry (Paraffin)			1:50 - 1:200	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
		For a carrier free (BSA and azide free) version of this product see product #26596.				
Specificity/Sensitivity		4-1BBL/CD137L/TNFSF9 (E8W3P) Rabbit mAb recognizes endogenous levels of total 4-1BBL/CD137L/TNFSF9 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the carboxy terminus of human 4-1BBL/CD137L/TNFSF9 protein.				
Background		TNFRSF9 is a member of the tumor necrosis factor receptor superfamily (1,2). It is also called 4-1BB or CD137 (1, 2). 4-1BB/CD137/TNFRSF9 is expressed in activated CD4+ and CD8+ T cells, natural killer cells and dendritic cells (2-5). The ligand 4-1BBL/CD137L/TNFSF9 on antigen presenting cells binds to 4-1BB/CD137/TNFRSF9 and costimulates the activation of T cells (5). The binding of agonistic antibodies to 4-1BB/CD137/TNFRSF9 also leads to costimulation for T cell activation (5). Studies have shown the effectiveness of targeting 4-1BB/CD137/TNFRSF9 by its agonistic antibodies in cancer immunotherapy (6).				
1. Sun, Y. et al. (2002) Nat Med 8, 1405-13. 2. Wilcox, R.A. et al. (2002) J Clin Invest 109, 651-9. 3. Lin, W. et al. (2008) Blood 112, 699-707. 4. Wilcox, R.A. et al. (2002) J Immunol 168, 4262-7. 5. Melero, I. et al. (1997) Nat Med 3, 682-5. 6. Yonezawa, A. et al. (2015) Clin Cancer Res 21, 3113-20.						

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

IP: Immunoprecipitation IHC-Bond: IHC Leica Bond IHC-P: Immunohistochemistry (Paraffin)

Cross-Reactivity Key

H: Human

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