

Product datasheet for **CF813073**

CD137 (TNFRSF9) Mouse Monoclonal Antibody [Clone ID: OTI4G1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4G1
Applications:	FC, WB
Recommended Dilution:	WB 1:500, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human TNFRSF9 (NP_001552) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	TNF receptor superfamily member 9
Database Link:	NP_001552 Entrez Gene 3604 Human Q07011
Background:	Receptor for TNFSF9/4-1BBL. Possibly active during T cell activation. [UniProtKB/Swiss-Prot Function]
Synonyms:	4-1BB; CD137; CDw137; ILA

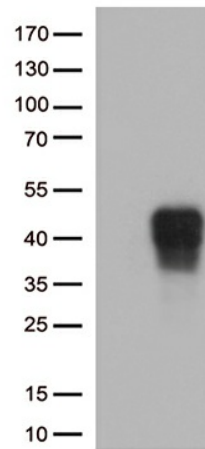


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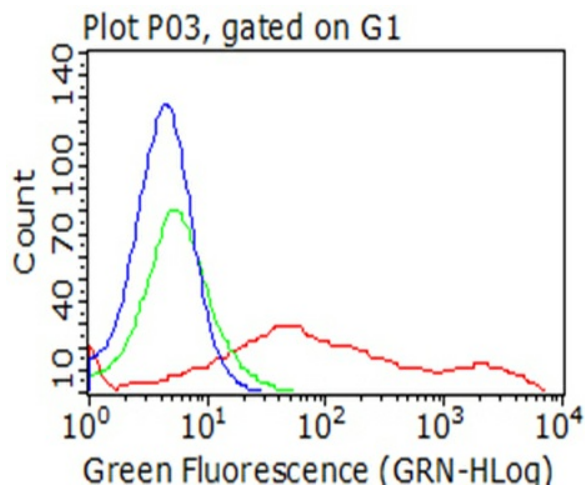
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

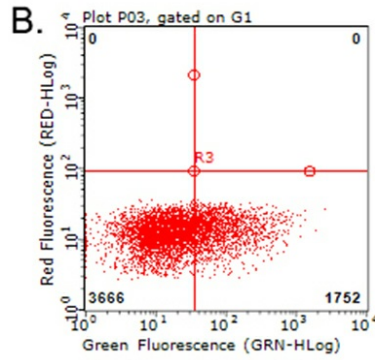
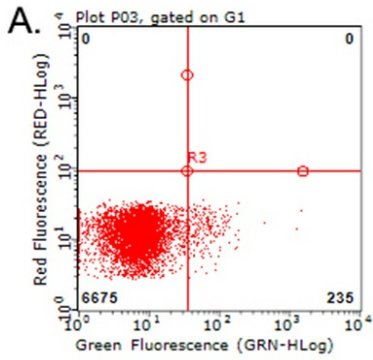
Product images:



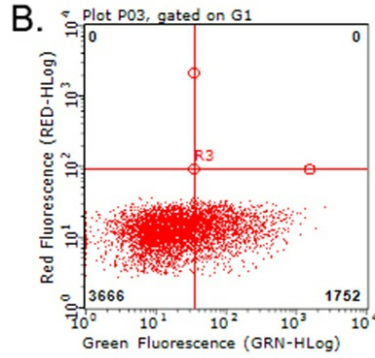
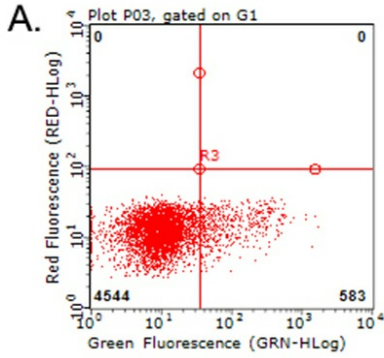
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TNFRSF9 (Cat# [RC200664], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TNFRSF9 (Cat# [TA813073])(1:500).



Flow cytometric analysis of living 293T cells transfected with TNFRSF9 overexpression plasmid ([RC200664], Red)/empty vector ([PS100001], Blue) using anti-TNFRSF9 antibody ([TA813073]). Cells incubated with a non-specific antibody (Green) were used as isotype control (1:100).



Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h (Right)/untreated (Left) using anti-TNFRSF9 antibody ([TA813073]) (1:100).



Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h (Right) using anti-TNFRSF9 antibody ([TA813073]). Cells incubated with a non-specific antibody (Left) were used as isotype control (1:100).