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Product datasheet for TA813220M

TNFSF9 Mouse Monoclonal Antibody [Clone ID: OTI15C9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI15C9
Applications:	FC, WB
Recommended Dilution:	WB 1:1000, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CD137L (NP_003802) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
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.
Predicted Protein Size:	26.4 kDa
Gene Name:	tumor necrosis factor superfamily member 9
Database Link:	NP_003802 Entrez Gene 8744 Human P41273

View online »

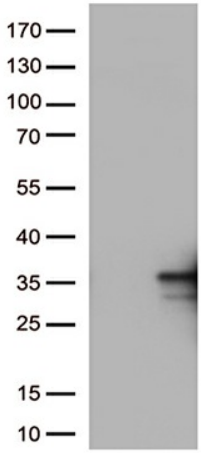
Background: The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This transmembrane cytokine is a bidirectional signal transducer that acts as a ligand for TNFRSF9/4-1BB, which is a costimulatory receptor molecule in T lymphocytes. This cytokine and its receptor are involved in the antigen presentation process and in the generation of cytotoxic T cells. The receptor TNFRSF9/4-1BB is absent from resting T lymphocytes but rapidly expressed upon antigenic stimulation. The ligand encoded by this gene, TNFSF9/4-1BBL, has been shown to reactivate anergic T lymphocytes in addition to promoting T lymphocyte proliferation. This cytokine has also been shown to be required for the optimal CD8 responses in CD8 T cells. This cytokine is expressed in carcinoma cell lines, and is thought to be involved in T cell-tumor cell interaction. [provided by RefSeq, Oct 2008]

Synonyms: 4-1BB-L; CD137L; TNLG5A

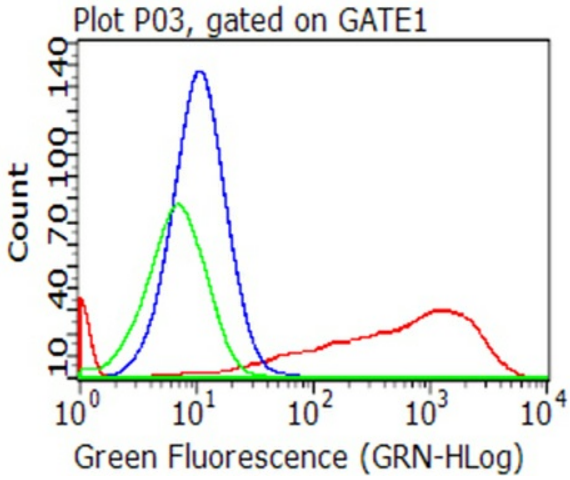
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

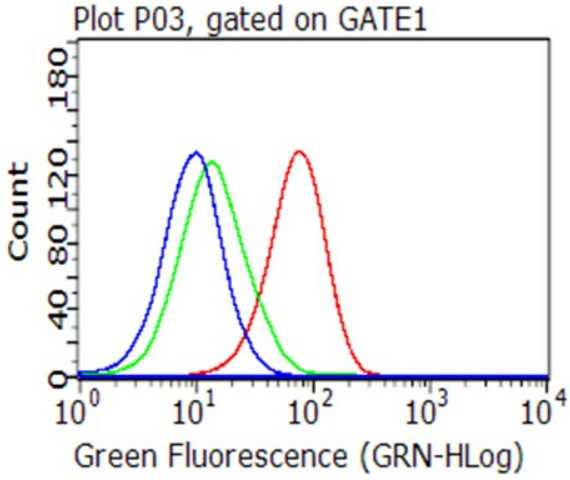
Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CD137L (Cat# [RC211160], 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-CD137L (Cat# [TA813220])(1:1000).



Flow cytometric analysis of living 293T cells transfected with CD137L overexpression plasmid ([RC211160]), Red)/empty vector ([PS100001], Blue) using anti-CD137L antibody ([TA813220]). Cells incubated with a non-specific antibody (Green) were used as isotype control (1:100).



Flow cytometric analysis of living Raji cells, using anti-CD137L antibody ([TA813220], Red), compared to an isotype control (green), and a PBS control (blue) (1:100).