

Product datasheet for **CF812359**

TNFRSF4 Mouse Monoclonal Antibody [Clone ID: OTI2F12A2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2F12A2
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 TNFRSF4 (NP_003318) 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.
Predicted Protein Size:	29.34 kDa
Gene Name:	TNF receptor superfamily member 4
Database Link:	NP_003318 Entrez Gene 7293 Human P43489



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Background:

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor has been shown to activate NF-kappaB through its interaction with adaptor proteins TRAF2 and TRAF5. Knockout studies in mice suggested that this receptor promotes the expression of apoptosis inhibitors BCL2 and BCL2L1/BCL2-XL, and thus suppresses apoptosis. The knockout studies also suggested the roles of this receptor in CD4+ T cell response, as well as in T cell-dependent B cell proliferation and differentiation. [provided by RefSeq, Jul 2008]

Synonyms:

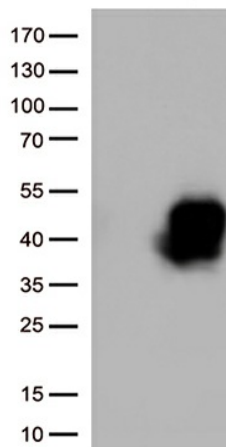
ACT35; CD134; IMD16; OX40; TXGP1L

Protein Families:

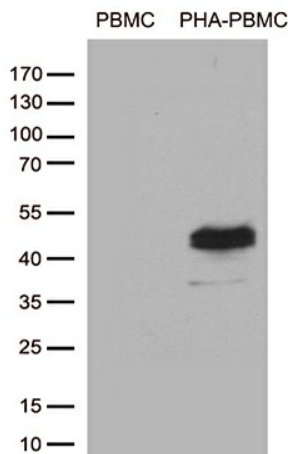
Transmembrane

Protein Pathways:

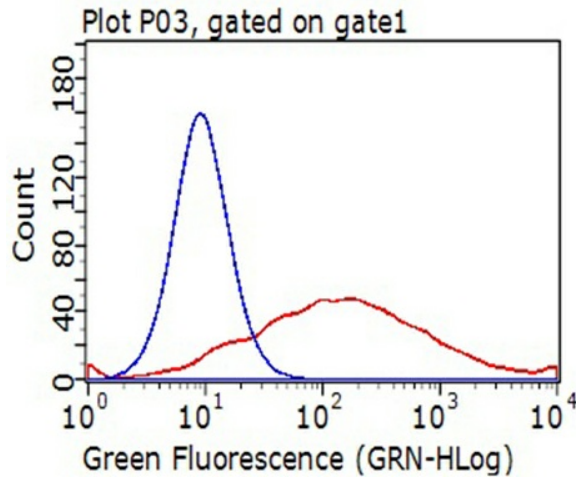
Cytokine-cytokine receptor interaction

Product images:


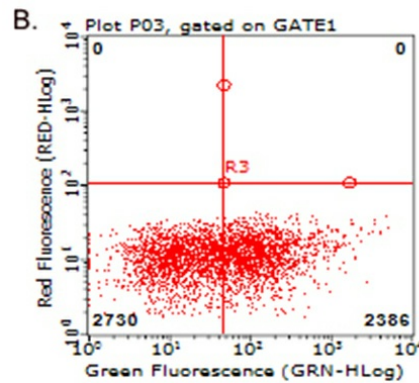
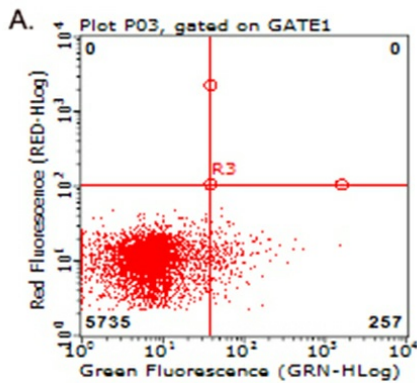
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY TNFRSF4 ([RC211253], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TNFRSF4 (1:1000).



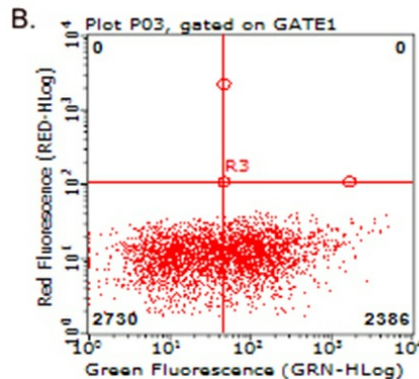
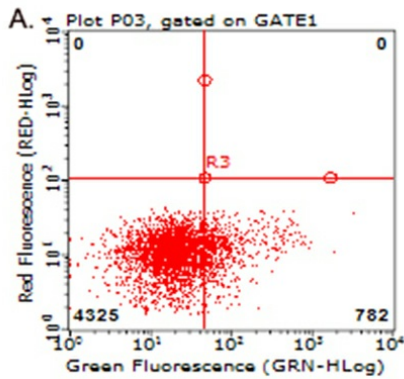
Western blot analysis of extracts (35ug) from PBMCs and PHA-PBMCs (stimulated by 10ug/ml PHA for 72h) by using anti-TNFRSF4 monoclonal antibody (1:500).



HEK293T cells transfected with either [RC211253] overexpress plasmid (Red) or IgG isotype control (Blue) were immunostained by anti-TNFRSF4 antibody ([TA812359]), and then analyzed by flow cytometry (1:100).



Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h (Right)/untreated (Left) using anti-TNFRSF4 antibody ([TA812359]) (1:100).



Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h (Right) using anti-TNFRSF4 antibody ([TA812359]). Cells incubated with a non-specific antibody (Left) were used as isotype control (1:100).