

## Product datasheet for **TA812359**

### **TNFRSF4 Mouse Monoclonal Antibody [Clone ID: OTI2F12A2]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI2F12A2
<b>Applications:</b>	FC, WB
<b>Recommended Dilution:</b>	WB 1:500, FLOW 1:100
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human TNFRSF4 (NP_003318) produced in HEK293T cell.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	1 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	29.34 kDa
<b>Gene Name:</b>	tumor necrosis factor receptor superfamily member 4
<b>Database Link:</b>	<a href="#">NP_003318</a> <a href="#">Entrez Gene 7293 Human</a> <a href="#">P43489</a>
<b>Background:</b>	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]



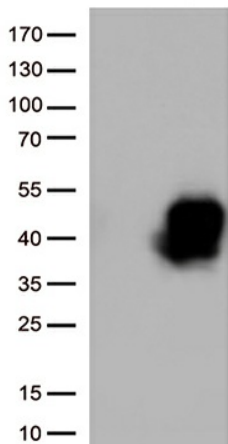
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**Synonyms:** ACT35; CD134; IMD16; OX40; TXGP1L

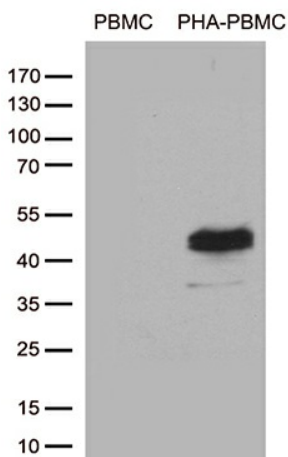
**Protein Families:** Transmembrane

**Protein Pathways:** Cytokine-cytokine receptor interaction

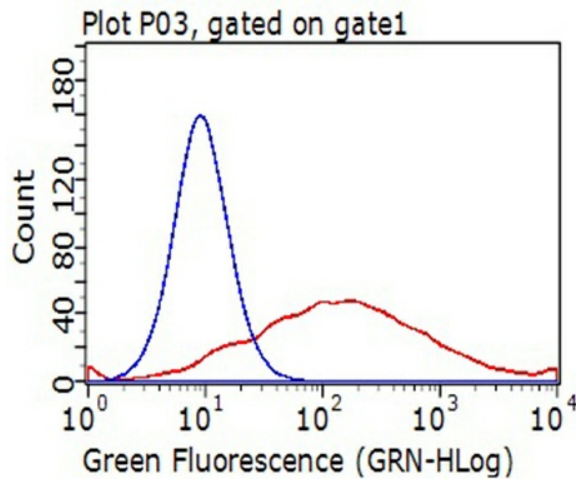
**Product images:**



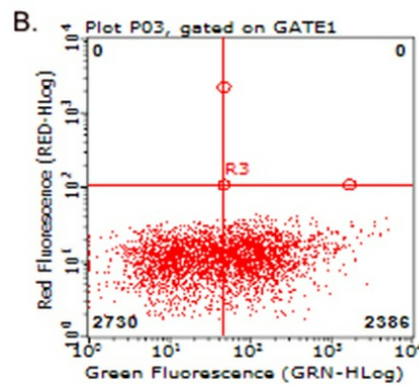
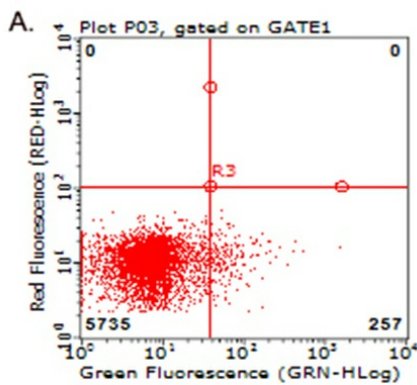
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY TNFRSF4 [RC211253], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TNFRSF4 (1:1000).



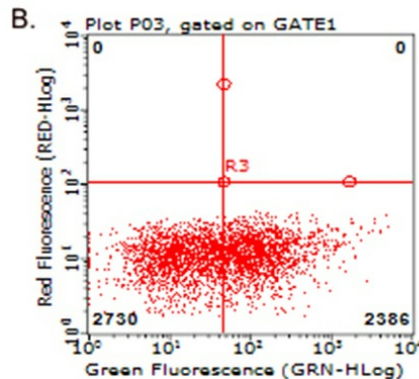
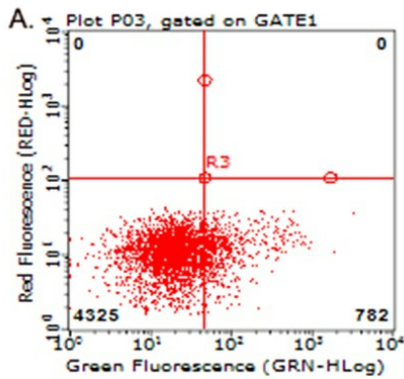
Western blot analysis of extracts (35ug) from PBMCs and PHA-PBMCs (stimulated by 10ug/ml PHA for 72h) by using anti-TNFRSF4 monoclonal antibody (1:500).



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).