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Product datasheet for UM800166CF

TNFRSF4 Mouse Monoclonal Antibody [Clone ID: UMAB276]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB276
Applications:	10k-ChIP, FC, IHC, WB
Recommended Dilution:	IHC 1:100~300
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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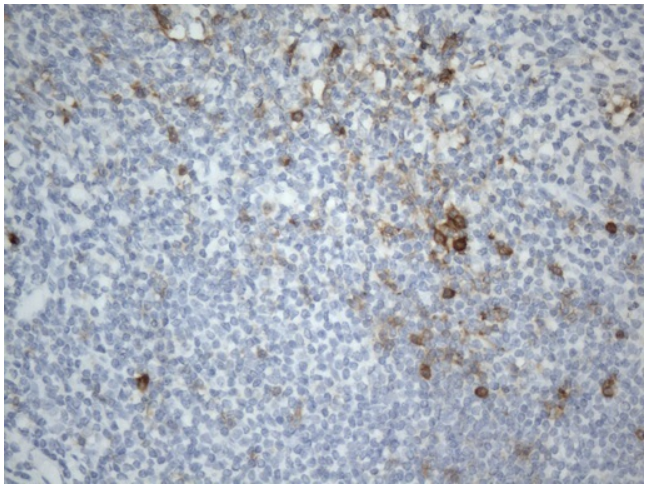
Background: The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor has been shown to activate NF-kappaB through its interaction with adaptor proteins TRAF2 and TRAF5. Knockout studies in mice suggested that this receptor promotes the expression of apoptosis inhibitors BCL2 and BCL2lL1/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

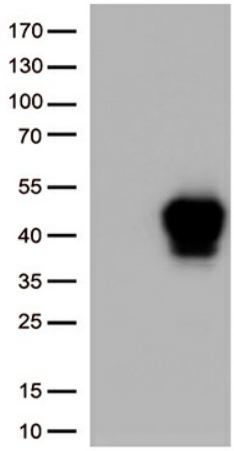
Protein Families: Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

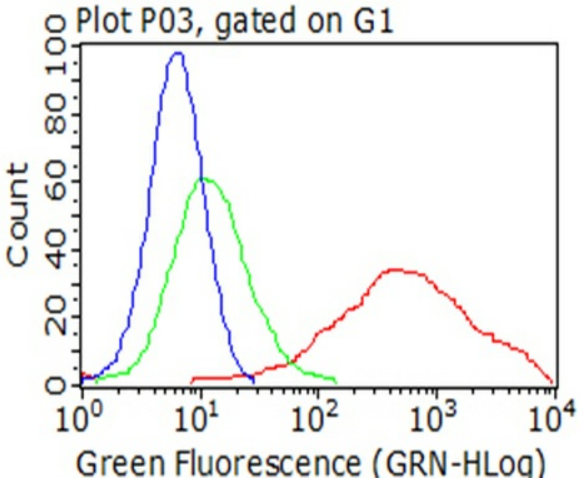
Product images:



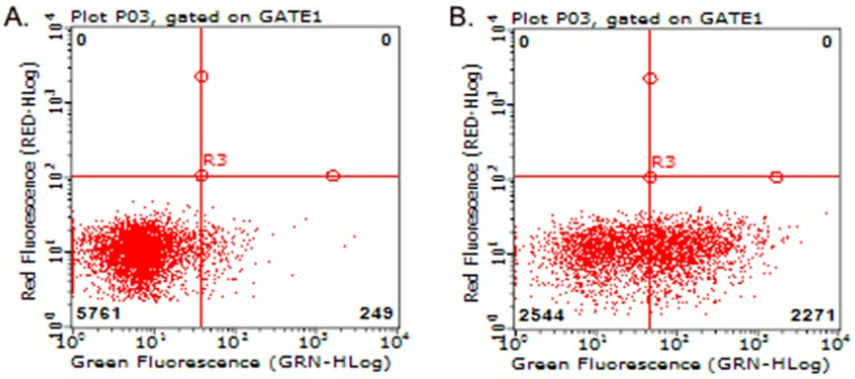
Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-OX40 (TNFRSF4) mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800166]) (1:300)



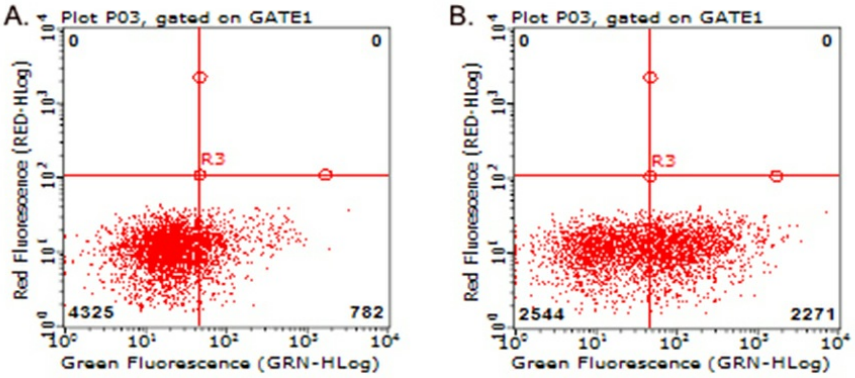
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TNFRSF4 (Cat# [RC211253], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TNFRSF4 antibody (Cat# [UM800166]) (1:1000).



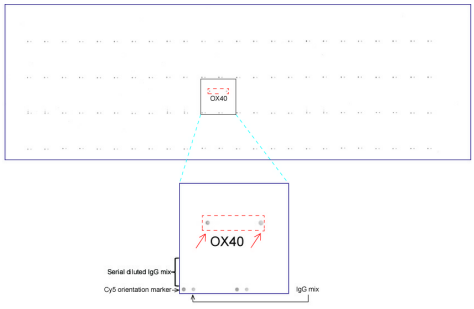
Flow cytometric analysis of living 293T cells transfected with TNFRSF4 overexpression plasmid ([RC211253]), Red)/empty vector ([PS100001], Blue) using anti-TNFRSF4 antibody ([UM800166]). Cells incubated with a non-specific antibody (Green) were used as isotype control. (1;100)



Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h (Right)/untreated (Left) using anti-TNFRSF4 antibody ([UM800166]) (1:100).



Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h (Right) using anti-TNFRSF4 antibody ([UM800166]). Cells incubated with a non-specific antibody (Left) were used as isotype control (1:100).



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-OX40 (TNFRSF4) mouse monoclonal antibody ([UM800166]). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification (1:100).