

Product datasheet for **UM800167**

TNFRSF4 Mouse Monoclonal Antibody [Clone ID: UMAB277]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB277
Applications:	10k-ChIP, FC, IHC, WB
Recommended Dilution:	IHC 1:50~100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human TNFRSF4 (NP_003318) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5~1.0 mg/ml (Lot Dependent)
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
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]



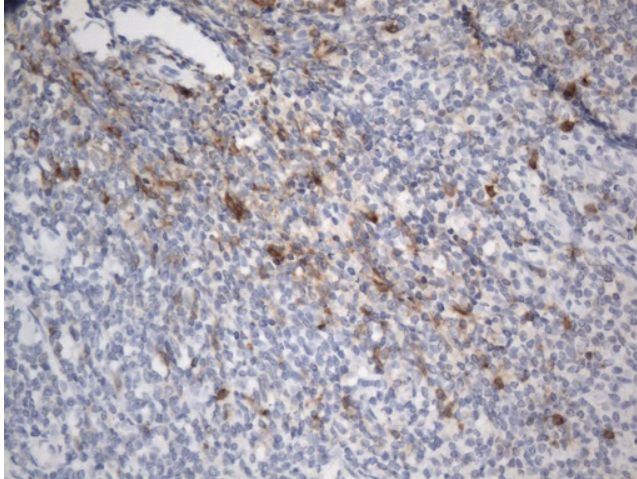
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Synonyms: ACT35; CD134; IMD16; OX40; TXGP1L

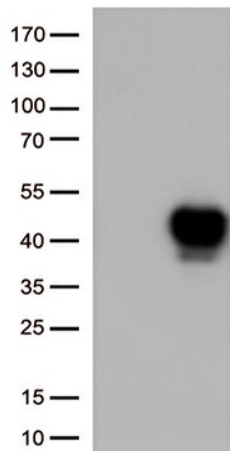
Protein Families: Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

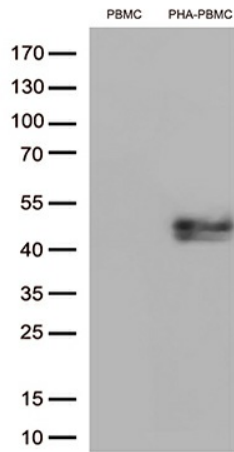
Product images:



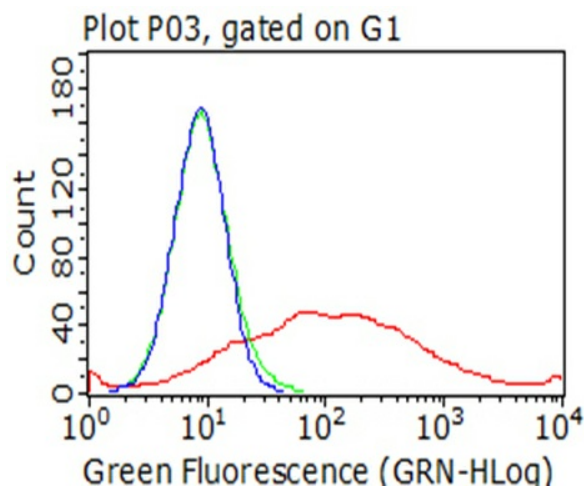
Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-OX40 (TNFRSF4) mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, UM800167) (1:50)



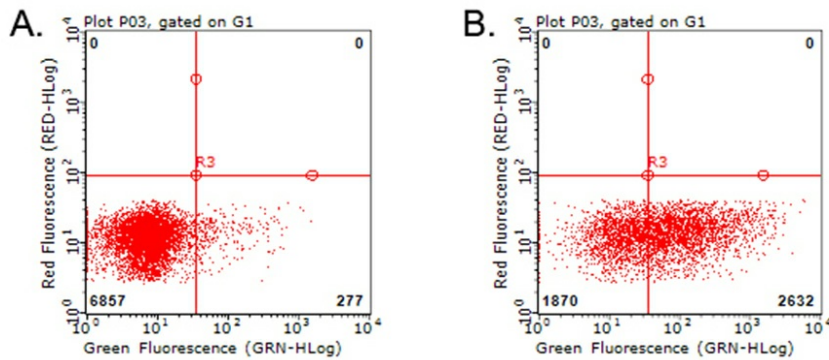
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY TNFRSF4 ([RC211253], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TNFRSF4 (1:1000).



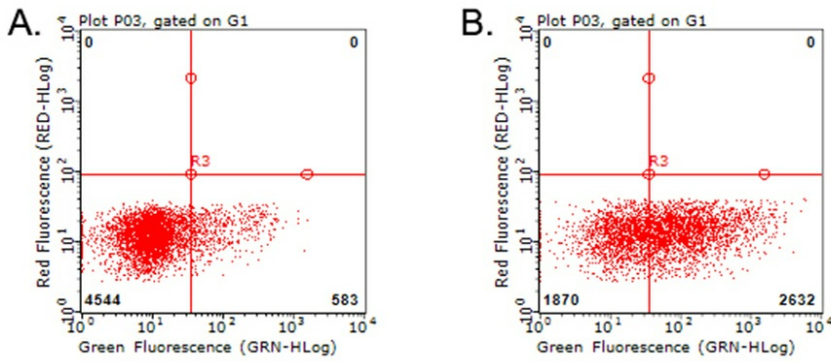
Western blot analysis of extracts (35ug) from 2 cell lines (Human PBMC treated with 10ug/ml PHA for 72h (Right)/untreated (Left)) lysates by using anti-TNFRSF4 monoclonal antibody (1:500).



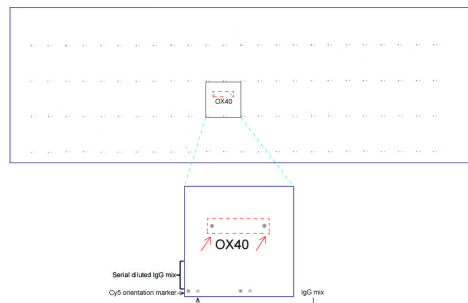
Flow cytometric analysis of living 293T cells transfected with TNFRSF4 overexpression plasmid ([RC211253], Red)/empty vector ([PS100001], Blue) using anti-TNFRSF4 antibody (UM800167). Cells incubated with a non-specific antibody (Green) were used as isotype control. (1;100)



Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h (Right)/untreated (Left) using anti-TNFRSF4 antibody (UM800167) (1:100).



Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h (Right) using anti-TNFRSF4 antibody (UM800167). 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 (UM800167). 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).