

## Product datasheet for **TA806458**

### **TNFRSF18 Mouse Monoclonal Antibody [Clone ID: OTI4A9]**

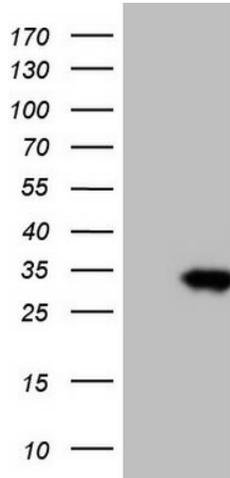
#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI4A9
<b>Applications:</b>	FC, WB
<b>Recommend Dilution:</b>	WB 1:2000
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Human recombinant protein fragment corresponding to amino acids 26-162 of human TNFRSF18(NP_004186) produced in E.coli.
<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>Predicted Protein Size:</b>	23.5 kDa
<b>Gene Name:</b>	tumor necrosis factor receptor superfamily member 18
<b>Database Link:</b>	<a href="#">NP_004186</a> <a href="#">Entrez Gene 8784</a> <a href="#">Human</a>
<b>Background:</b>	This gene encodes a member of the TNF-receptor superfamily. The encoded receptor has been shown to have increased expression upon T-cell activation, and it is thought to play a key role in dominant immunological self-tolerance maintained by CD25(+)CD4(+) regulatory T cells. Knockout studies in mice also suggest the role of this receptor is in the regulation of CD3-driven T-cell activation and programmed cell death. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq, Feb
<b>Synonyms:</b>	AITR; CD357; GITR; GITR-D
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transmembrane
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction

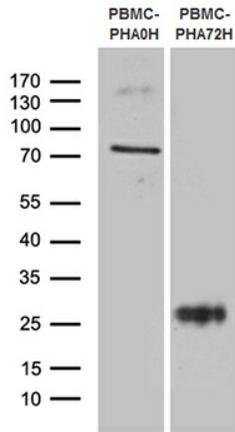


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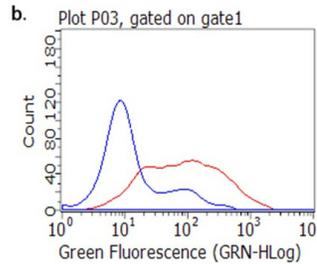
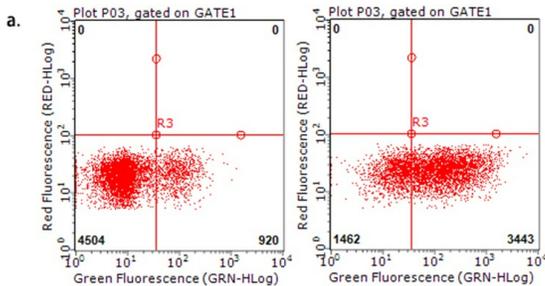
Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY TNFRSF18 ([RC219997], 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-TNFRSF18. Positive lysates [LY418153] (100ug) and [LC418153] (20ug) can be purchased separately from OriGene.



Western blot analysis of human peripheral blood mononuclear cells (PBMCs) by using anti-TNFRSF18 monoclonal antibody. Left: Unstimulated PBMC. Right: PBMC stimulated with 10ug/ml Phytohemagglutinin for 3 days.



Flow cytometric analysis of TNFRSF18 expression on living stimulated human peripheral blood mononuclear cells (PBMCs). Unstimulated PBMCs, (a.left, b.blue), or 10ug/ml Phytohemagglutinin-stimulated (3 days) PBMCs, (a.right, b.red), were stained with Anti-Human TNFRSF18 antibody (TA806458) (1:100).