

## Product datasheet for **TA806399AM**

### **TNFRSF18 Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI1A3]**

#### **Product data:**

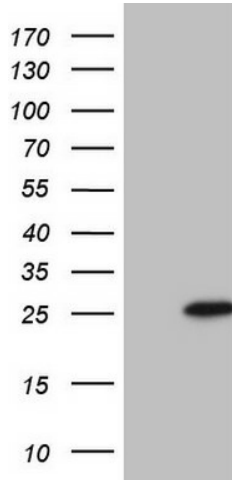
<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI1A3
<b>Applications:</b>	FC, WB
<b>Recommended Dilution:</b>	WB 1:2000
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Human recombinant protein fragment corresponding to amino 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>	0.5 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Biotin
<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>	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 Human</a> <a href="#">Q9Y5U5</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



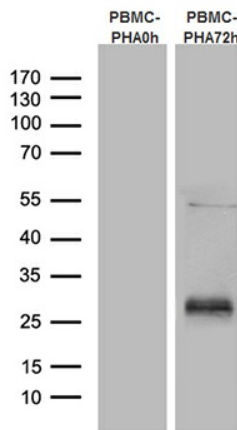
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**Synonyms:** AITR; CD357; GTR; GTR-D  
**Protein Families:** Druggable Genome, Secreted Protein, Transmembrane  
**Protein Pathways:** Cytokine-cytokine receptor interaction

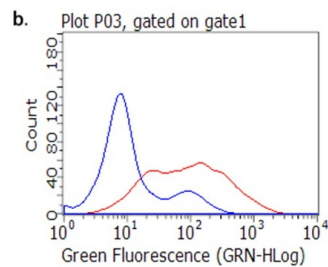
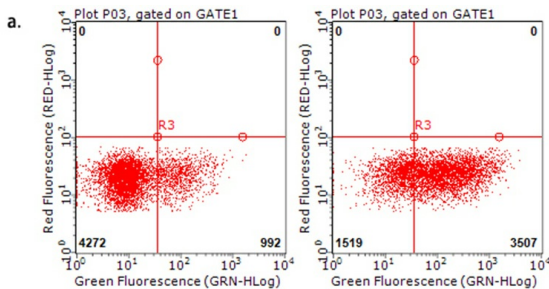
**Product images:**



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 (1:500).



Flow cytometric analysis of TNFRSF18 expression on stimulated human peripheral blood mononuclear cells (PBMC). Unstimulated PBMC, (a.left, b.blue), or 10ug/ml Phytohemagglutinin-stimulated (3 days) PBMC, (a.right, b.red), were stained with Anti-Human TNFRSF18 antibody ([TA806399]) (1:100).