

Product datasheet for **CF806458**

TNFRSF18 Mouse Monoclonal Antibody [Clone ID: OTI4A9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4A9
Applications:	FC, WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 26-162 of human TNFRSF18(NP_004186) produced in E.coli.
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:	23.5 kDa
Gene Name:	TNF receptor superfamily member 18
Database Link:	NP_004186 Entrez Gene 8784 Human Q9Y5U5



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Background:

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

Synonyms:

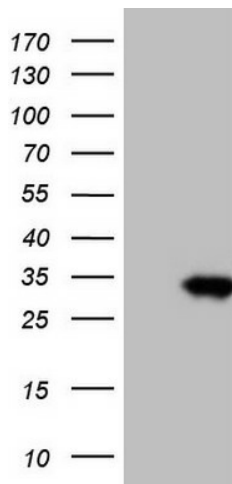
AITR; CD357; GITR; GITR-D

Protein Families:

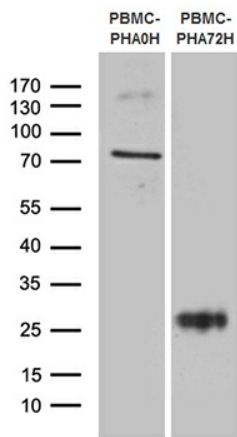
Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways:

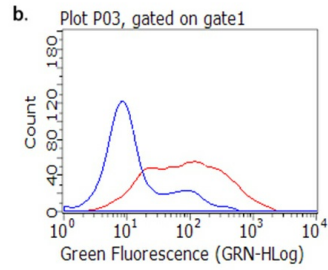
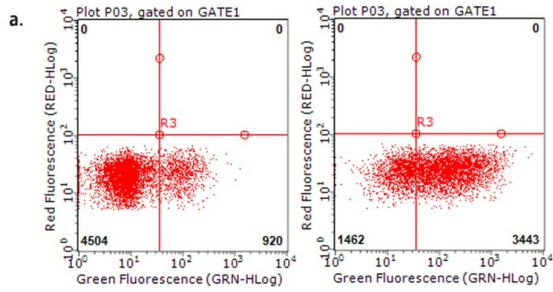
Cytokine-cytokine receptor interaction

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.



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).