

## Product datasheet for **CF806389**

### **TNFRSF18 Mouse Monoclonal Antibody [Clone ID: OTI4H5]**

#### **Product data:**

|                         |                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:           | Primary Antibodies                                                                                                                                                                                                                                                                                                                   |
| Clone Name:             | OTI4H5                                                                                                                                                                                                                                                                                                                               |
| 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:          | <a href="#">NP_004186</a><br><a href="#">Entrez Gene 8784 Human</a><br><a href="#">Q9Y5U5</a>                                                                                                                                                                                                                                        |



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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

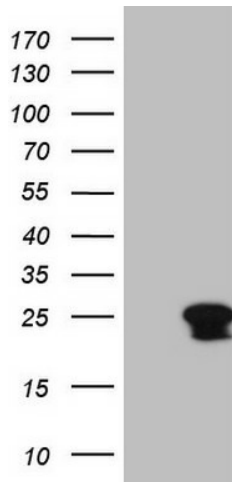
**Protein Families:**

Druggable Genome, Secreted Protein, Transmembrane

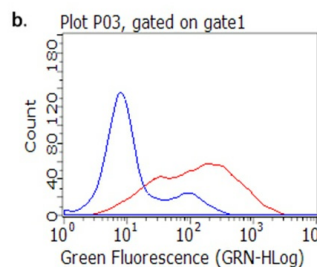
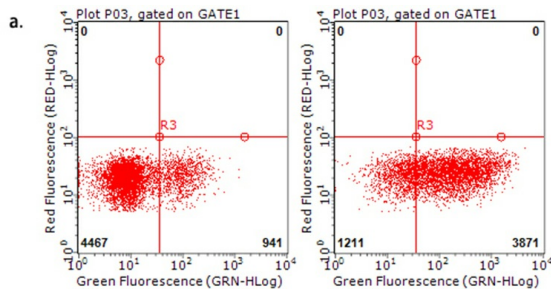
**Protein Pathways:**

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.



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 ([TA806389]) (1:100).