

## Product datasheet for **UM800095CF**

### **TNFRSF18 Mouse Monoclonal Antibody [Clone ID: UMAB203]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	UMAB203
<b>Applications:</b>	10k-ChIP, IF, IHC
<b>Recommended Dilution:</b>	IHC 1:100~200
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG2b
<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>	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
<b>Reconstitution Method:</b>	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)
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<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>	TNF receptor superfamily member 18
<b>Database Link:</b>	<a href="#">NP_004186</a> <a href="#">Entrez Gene 8784 Human</a> <a href="#">Q9Y5U5</a>



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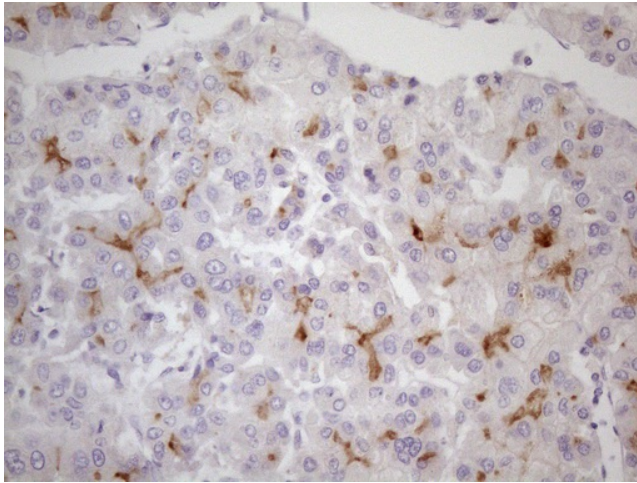
**Background:** This gene encodes a member of the TNF-receptor superfamily. The encoded receptor has been shown to have increased expression upon T-cell activation, and it is thought to play a key role in dominant immunological self-tolerance maintained by CD25(+)CD4(+) regulatory T cells. Knockout studies 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

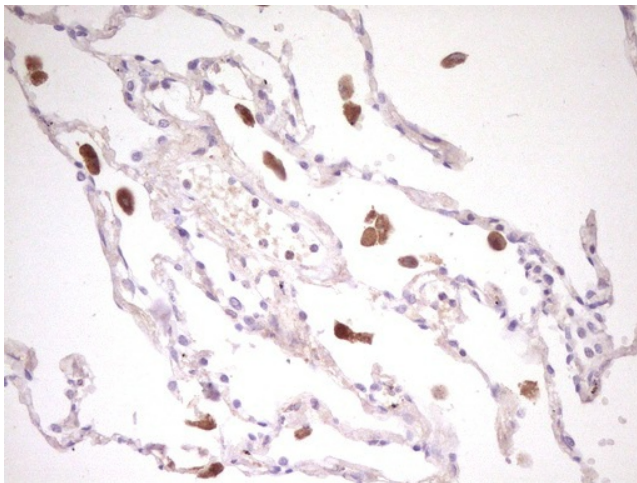
**Protein Families:** Druggable Genome, Secreted Protein, Transmembrane

**Protein Pathways:** Cytokine-cytokine receptor interaction

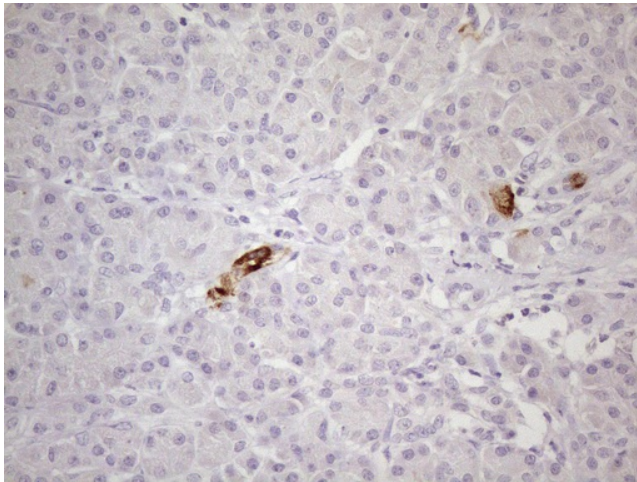
### Product images:



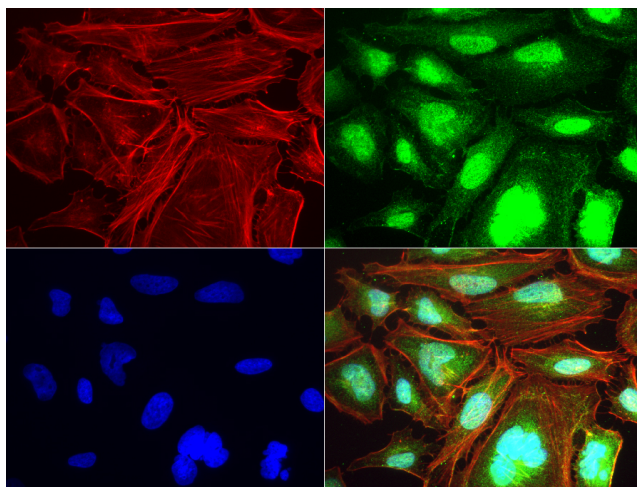
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-TNFRSF18 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3min, [UM800095]) (1:200)



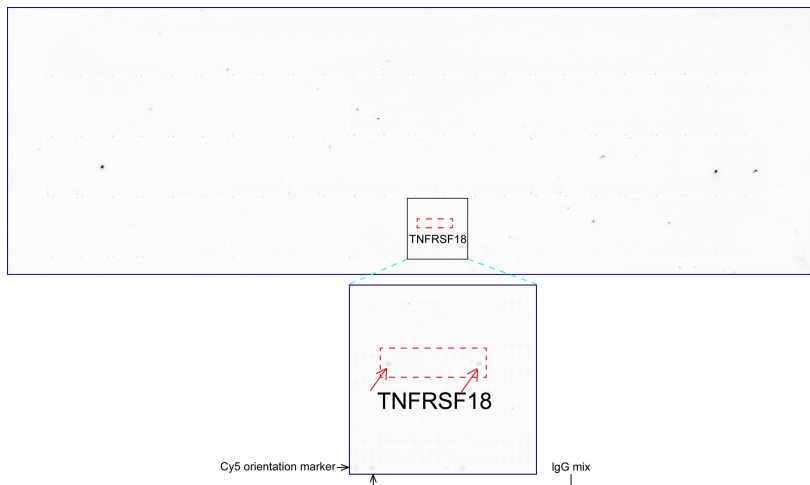
Immunohistochemical staining of paraffin-embedded Human lung tissue using anti-TNFRSF18 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3min, [UM800095]) (1:200)



Immunohistochemical staining of paraffin-embedded Human pancreas tissue using anti-TNFRSF18 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3min, [UM800095]) (1:200)



Immunofluorescent staining of HeLa cells using anti-TNFRSF18 mouse monoclonal antibody ([UM800095], green, 1:50). Actin filaments were labeled with Alexa Fluor® 594 Phalloidin (red), and nuclear with DAPI (blue).



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-TNFRSF18 mouse monoclonal antibody ([UM800095]). 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).