

## Active Recombinant Mouse Tnfsf18, FLAG-tagged

Cat. No. Tnfsf18-279M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	The extracellular domain of mouse GITRL (aa 45-173) is fused at the N-terminus to a FLAG-tag.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	45-173 a.a.
<b>Description</b>	<p>GITRL (Glucocorticoid-induced TNF receptor ligand) is expressed on dendritic cells (DC), monocytes, macrophages, B cells, activated T cells, endothelial cells, osteoclasts and various healthy non-lymphoid tissues (e.g. testis). GITRL is constitutively expressed and released as soluble form by solid tumors and various hematopoietic malignancies. GITRL causes differentiation of osteoclasts, activation of macrophages, but also alteration of carcinoma and leukemia cells and influences apoptosis. Binding to GITR is important in regulating T cell proliferation and TCR-mediated apoptosis. GITRL is implicated in development of autoimmune diseases and in the immune response against infectious pathogens and tumors.</p>
<b>Form</b>	Liquid. 0.2µm-filtered solution in 10mM glycine, pH 10.0.
<b>Bio-activity</b>	Induces GITR-mediated NF-κB activation in HEK 293 cells.
<b>Molecular Mass</b>	~22kDa (SDS-PAGE)

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<b>Purity</b>	≥90% (SDS-PAGE)
<b>Stability</b>	Working aliquots are stable for up to 3 months when stored at -20°C.
<b>Storage</b>	Short Term Storage: +4°C; Long Term Storage: -20°C. After opening, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.
<b>Concentration</b>	0.5mg/ml

## GENE INFORMATION

<b>Gene Name</b>	Tnfsf18 tumor necrosis factor (ligand) superfamily, member 18 [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	Tnfsf18
<b>Synonyms</b>	TNFSF18; tumor necrosis factor (ligand) superfamily, member 18; tumor necrosis factor ligand superfamily member 18; GITR ligand; glucocorticoid-induced TNF-related ligand; glucocorticoid-induced-tumor necrosis factor receptor ligand; Gitrl;
<b>Gene ID</b>	<a href="#">240873</a>
<b>mRNA Refseq</b>	<a href="#">NM_183391</a>
<b>Protein Refseq</b>	<a href="#">NP_899247</a>
<b>Pathway</b>	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;
<b>Function</b>	cytokine activity; protein binding; tumor necrosis factor receptor binding; tumor necrosis factor receptor superfamily binding;

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