Active Recombinant Mouse Tnfsf18, FLAG-tagged

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

SPECIFICATION

Product Overview	The extracellular domain of mouse GITRL (aa 45-173) is fused at the N-terminus to a FLAG-tag.
Species	Mouse
Source	HEK293
ProteinLength	45-173 a.a.
Description	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.
Form	Liquid. 0.2μm-filtered solution in 10mM glycine, pH 10.0.
Bio-activity	Induces GITR-mediated NF-κB activation in HEK 293 cells.
Molecular Mass	~22kDa (SDS-PAGE)

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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

GENE INFORMATION

Gene Name	Tnfsf18 tumor necrosis factor (ligand) superfamily, member 18 [Mus musculus]
Official Symbol	Tnfsf18
Synonyms	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;
Gene ID	240873
mRNA Refseq	NM_183391
Protein Refseq	NP_899247
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;
Function	cytokine activity; protein binding; tumor necrosis factor receptor binding; tumor necrosis factor receptor superfamily binding;

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