

## Active Recombinant Mouse TNFSF18 protein, Fc-tagged

**Cat. No.** TNFSF18-1507M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse TNFSF18 protein(Thr47-Ser173), fused with Fc tag, was expressed in HEK293.                                                                                                                                                                     |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 47-173 a.a.                                                                                                                                                                                                                                                      |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5.                                                                                                                                                                       |
| <b>Bio-activity</b>     | Immobilized Mouse GITR, His Tag at 5 µg/mL (100 µL/well) can bind Mouse GITR Ligand, Fc Tag with a linear range of 5-156 ng/mL.                                                                                                                                  |
| <b>Molecular Mass</b>   | This protein carries a human IgG1 Fc tag at the N-terminus. The protein has a calculated MW of 41.4 kDa. As a result of glycosylation, the protein migrates as 45 kDa under reducing (R) condition, and 80-100 kDa under non-reducing (NR) condition (SDS-PAGE). |
| <b>Proteinlength</b>    | Thr47-Ser173                                                                                                                                                                                                                                                     |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                                                       |
| <b>Purity</b>           | >95% as determined by SDS-PAGE.                                                                                                                                                                                                                                  |

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**Storage** For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## 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

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