

Recombinant Mouse Tnfrsf18, Fc Chimera

Cat. No. Tnfrsf18-2087M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant MouseTnfrsf18 Produced inHEK 293 cells.The cysteine-rich region of mouse GITR (aa 20-152) is fused to the Fc portion of human IgG1. MW=45kDa (SDS-PAGE).
Species	Mouse
Source	HEK293
ProteinLength	20-152 a.a.
Description	GITR (glucocorticoid-induced tumor necrosis factor receptor) also known as TNFRSF18, is a surface receptor molecule that has been shown to be involved in inhibiting the suppressive activity of T-regulatory cells and extending the survival of T-effector cells.1 GITR is involved in the regulation of T-cell receptor mediated cell death. Constitutive expression of a transfected GITR gene induces resistance to apoptosis induced by anti CD3 monoclonal antibodies.
Concentration	1mg/ml after reconstitution.
Purity	≥90% (SDS-PAGE).
Formulation	Lyophilized. Contains PBS.
Endotoxin Content	<0.1EU/g purified protein (LAL test; Bio Whittaker).

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Reconstitution	Reconstitute with 50µl sterile water. Further dilutions should be made with medium containing 5% fetal calf serum or a carrier protein.
Specificity	Binds mouse GITRL.
Term Storage	-20°C.
Handling	Stable for at least 6 months after receipt when stored at -20°C.
Stability	Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at -20°C.
GENE INFORMATION	
Gene Name	Tnfrsf18 tumor necrosis factor receptor superfamily, member 18 [Mus musculus]
Synonyms	Tnfrsf18; tumor necrosis factor receptor superfamily, member 18; AITR; Gitr; tumor necrosis factor receptor superfamily member 18; OTTMUSP00000011817; OTTMUSP00000011818; glucocorticoid-induced TNFR-related protein
Gene ID	21936
mRNA Refseq	NM_009400
Protein Refseq	NP_033426
UniProt ID	O35714
Chromosome Location	4 E
Pathway	Cytokine-cytokine receptor interaction

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Function

protein binding; receptor binding

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