

## Product datasheet for **TA306245**

### TNFSF18 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ICC, WB
Recommended Dilution:	GITRL antibody can be used for the detection of GITRL by Western blot at 1 µg/mL. Antibody can also be used for immunocytochemistry starting at 10 µg/mL. Antibody validated: Immunocytochemistry in human samples. All other applications and species not yet tested.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	GITRL antibody was raised against purified recombinant human GTR ligand.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	GITRL Antibody is Protein A purified.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tumor necrosis factor superfamily member 18
Database Link:	<a href="#">NP_005083</a> <a href="#">Entrez Gene 240873 Mouse</a> <a href="#">Entrez Gene 8995 Human</a> <a href="#">Q9UNG2</a>



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**Background:**

The tumor necrosis factor (TNF) and TNF receptor (TNFR) gene superfamilies regulate numerous biological functions including cell proliferation, differentiation, and survival through regulating the activation of the transcription factor NF-kappaB and various mitogen-activated protein kinases (reviewed in 1). The glucocorticoid-induced tumor necrosis factor receptor (GITR) is an emerging member of this family that is expressed on CD4+ CD25+ regulatory T cells and appears to have crucial immune regulation functions (2,3). Its ligand GITRL is expressed in endothelial and antigen-presenting cells (4) and can activate NF-kappaB, induce both pro- and anti-apoptotic effects, inhibit the suppressive activity of regulatory T cells, and co-stimulate responder T cells through GITR (5). Dominant negative forms of NIK and TRAF2 expressed in transfected 293 cells substantially inhibited NF-kappaB activation, suggesting that the GITRL-GITR pathway involves both NIK and TRAF2 (4).

**Synonyms:**

AITRL; GITRL; hGITRL; TL6

**Protein Families:**

Druggable Genome, Transmembrane

**Protein Pathways:**

Cytokine-cytokine receptor interaction