



Rabbit Anti-TNFRSF18 antibody

SL1173R

Product Name:	TNFRSF18
Chinese Name:	糖皮质激素诱导Tumour坏死因子受体抗体
Alias:	Activation inducible TNFR family receptor; Activation-inducible TNFR family receptor; CD357; AITR; GITR; GITR D; GITR-D; GITRD; Glucocorticoid induced TNFR related protein; glucocorticoid-induced tnf receptor ligand; Glucocorticoid induced TNFR related protein; TNF receptor superfamily activation inducible protein; Glucocorticoid-induced TNFR-related protein; TNF receptor superfamily activation inducible protein; TNR18_HUMAN; TNFRSF 18; TNFRSF18; Tumor necrosis factor receptor superfamily member 18; Tumor necrosis factor receptor superfamily member 18 precursor.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	24kDa
Cellular localization:	The cell membraneSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TNFRSF18:201-274/274
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

TNFRSF18 or GITR (glucocorticoid-induced TNF receptor family-regulated gene) is a 25 kD TNF receptor superfamily member (also known as AITR and TNFRSF18) originally identified in the mouse by comparing untreated and dexamethasone-treated murine T cell hybridoma cells. Human GITR was subsequently identified by searching an expressed sequence tag database. GITR is expressed on activated lymphocytes and is upregulated by T cell receptor engagement. The cytoplasmic domain of GITR is homologous to CD40, 4-1BB and CD27 and has been shown to interact with TRAF 1-3, but not TRAF 5 or 6. GITR signaling has been shown to regulate T cell proliferation and TCR-mediated apoptosis, and to break immunological self-tolerance. GITR appears to be highly expressed on CD4+CD25+ T regulatory cells and has been shown to induce NF- κ B activation through TRAF2/NIK signaling. GITR has been proposed to be involved in the development of regulatory T cells and to regulate the activity of Th1 subsets. GITR binds GITRL, a TNF superfamily ligand expressed on endothelial cells, dendritic cells, macrophages, and B cells.

Function:

Receptor for TNFSF18. Seems to be involved in interactions between activated T-lymphocytes and endothelial cells and in the regulation of T-cell receptor-mediated cell death. Mediated NF-kappa-B activation via the TRAF2/NIK pathway.

Subunit:

Binds to TRAF1, TRAF2, and TRAF3, but not TRAF5 and TRAF6. Binds through its C-terminus to SIVA1/SIVA.

Subcellular Location:

Isoform 1: Cell membrane; Single-pass type I membrane protein.
Isoform 2: Secreted.

Tissue Specificity:

Expressed in lymph node, peripheral blood leukocytes and weakly in spleen.

Similarity:

Contains 3 TNFR-Cys repeats.

SWISS:

O35714

Gene ID:

8784

Database links:

[Entrez Gene: 8784](#) Human

[Entrez Gene: 21936](#) Mouse

Product Detail:

[Omin: 603905](#) Human

[SwissProt: Q9Y5U5](#) Human

[SwissProt: O35714](#) Mouse

[Unigene: 212680](#) Human

[Unigene: 3180](#) Mouse

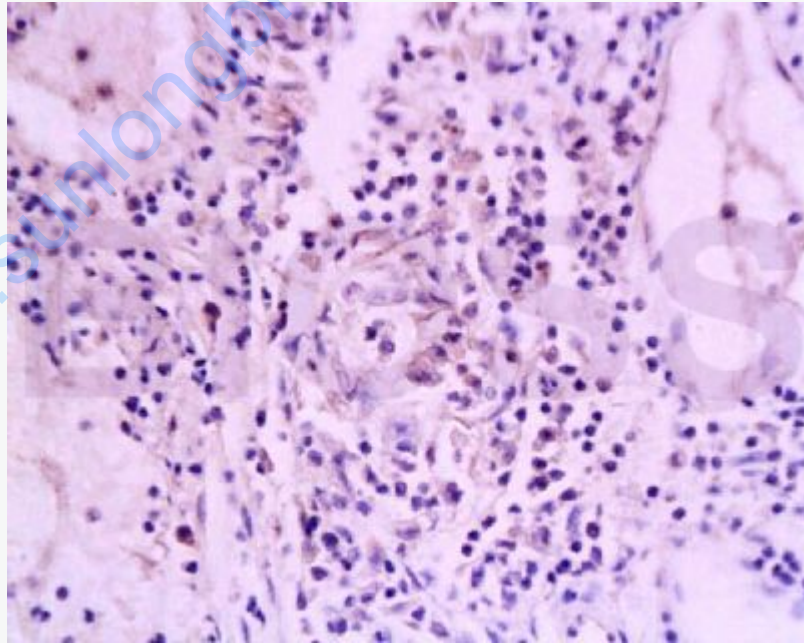
[Unigene: 482508](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

GITR属于Tumour坏死因子受体超家族(TNFRSF), GITR参与免疫调节信号, 在T细胞的活化、凋亡,尤其是阻断调节性T细胞(T regulatory cell)的抑制功能等活动中发挥主要作用。

Picture:



Tissue/cell: human oral squamous cell carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block

endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-TNFRSF18 Polyclonal Antibody, Unconjugated(SL1173R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining