

TNFRSF18 Rabbit pAb

Catalog # AP97200

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q35714
Other Accession	Q35714
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25334
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse TNFRSF18
Epitope Specificity	201-214/228
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 3 TNFR-Cys repeats.
SUBUNIT	Binds to TRAF1, TRAF2, and TRAF3, but not TRAF5 and TRAF6. Binds through its C-terminus to SIVA1/SIVA.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	21936
Other Names	AITR; CD357; ENERGEN; GITR; GITR-D; TNR18_HUMAN; TNFRSF18; Activation-inducible TNFR family receptor; Glucocorticoid-induced TNFR-related protein; TNR18_MOUSE; TNF receptor superfamily member 18; tumor necrosis factor receptor superfamily, member 18

Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	Tnfrsf18
Synonyms	Gitr
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 (By similarity).
Cellular Location	[Isoform A]: Cell membrane; Single-pass type I membrane protein [Isoform C]: Cell membrane; Single-pass type I membrane protein
Tissue Location	Preferentially expressed in activated T lymphocytes

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.