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TNFRSF18 Rabbit pAb

Catalog # AP97200

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O35714
Other Accession	O35714
Reactivity	Human
Predicted	Rat, Mouse
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-kB 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'.