

**GITR / Tnfrsf18 (mouse) Antibody - With BSA and Azide**  
**Rat Monoclonal Antibody [Clone DTA-1 ]**  
**Catalog # AH12852****Specification**

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**GITR / Tnfrsf18 (mouse) Antibody - With BSA and Azide - Product Information**

Application	,3,4,
Primary Accession	<a href="#">O35714</a>
Other Accession	<a href="#">21936 (Mouse)</a> , <a href="#">3180 (Mouse)</a> , <a href="#">482508 (Mouse)</a>
Reactivity	Mouse
Host	Rat
Clonality	Monoclonal
Isotype	Rat / IgG2b, lambda
Calculated MW	66-70kDa (Homodimer) KDa

**GITR / Tnfrsf18 (mouse) Antibody - With BSA and Azide - Additional Information****Gene ID** 21936**Other Names**

Tumor necrosis factor receptor superfamily member 18, Glucocorticoid-induced TNFR-related protein, CD357, Tnfrsf18, Gitr

**Storage**

Store at 2 to 8°C. Antibody is stable for 24 months.

**Precautions**

GITR / Tnfrsf18 (mouse) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

**GITR / Tnfrsf18 (mouse) Antibody - With BSA and Azide - 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

**GITR / Tnfrsf18 (mouse) Antibody - With BSA and Azide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**GITR / Tnfrsf18 (mouse) Antibody - With BSA and Azide - Images****GITR / Tnfrsf18 (mouse) Antibody - With BSA and Azide - Background**

GITR (glucocorticoid-induced TNFR-related gene) is a member of the TNF-receptor superfamily, also known as TNFRSF18. It is expressed at low levels on resting T lymphocytes and at high levels on CD25+ $\alpha$ CD4+ $\alpha$ Tregs. The expression of GITR on T cells can be upregulated upon activation. Interaction of GITR with its ligand (GITRL) has been demonstrated to augment T cell activation, proliferation, cytokine production as well as MAPKs and NF- $\kappa$ B activation, and abrogate the inhibitory function of  $\alpha$ CD25+ $\alpha$ CD4+ $\alpha$ Tregs. In vivo activation of GITR causes development of autoimmune diseases and restores the suppressed immune response.

**GITR / Tnfrsf18 (mouse) Antibody - With BSA and Azide - References**

Stephens GL, et al. 2004. J. Immunol. 173:5008. | Tone M, et al. 2003. Proc. Natl. Acad. Sci. USA 100:15059