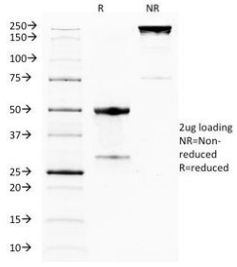
GITR Antibody (TNFRSF18) [clone DTA-1] (V3050)

Catalog No.	Formulation	Size
V3050-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3050-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3050SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Citations (10) **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Mouse
Format	Purified
Clonality	Monoclonal (rat origin)
Isotype	Rat IgG2b, lambda
Clone Name	DTA-1
Purity	Protein G affinity chromatography
UniProt	O35714 (Mouse)
Localization	Secreted, cell surface
Applications	Flow Cytometry : 0.5-1ug/10^6 cells Immunofluorescence : 0.5-1ug/ml
Limitations	This GITR antibody is available for research use only.



SDS-PAGE Analysis of Purified, BSA-Free GITR Antibody (clone DTA-1). Confirmation of Integrity and Purity of the Antibody.

Description

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+ CD4+ 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-kB activation, and abrogate the inhibitory function of CD25+ CD4+ Tregs. In vivo activation of GITR causes development of autoimmune diseases and restores the suppressed immune response.

Application Notes

Optimal dilution of the GITR antibody should be determined by the researcher.

Immunogen

Mouse CD25+ CD4+ T cells were used as the immunogen for the GITR antibody.

Storage

Store the GITR antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).