

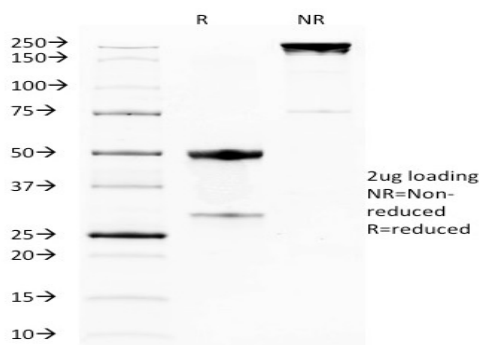
GITR / Tnfrsf18 (Mouse)

Rat Monoclonal Antibody [Clone DTA-1]

| Catalog No | Format | Size | Price (USD) |
|--------------------|---|--------|-------------|
| MS21936-RTM1-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug | 219.00 |
| MS21936-RTM1-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug | 499.00 |
| MS21936-RTM1-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug | 499.00 |

| | |
|---------------------------|--|
| Human Entrez Gene ID | 21936 |
| Human SwissProt | O35714 |
| Human Unigene | 3180 |
| Human Gene Symbol | |
| Human Chromosome Location | 4; 4E (Mouse) |
| Synonyms | Activation-inducible TNF-related ligand; AITRL; GITRL; Glucocorticoid induced TNFR related protein ligand; Glucocorticoid-induced TNF-related ligand; hGITRL; TL6; TNFSF18; Tumor necrosis factor (ligand) superfamily member 18 |

| | |
|------------------------|--------------------------|
| Immunogen | Mouse CD25+ CD4+ T cells |
| Host / Ig Isotype | Rat / IgG2b, lambda |
| Mol. Weight of Antigen | 66-70kDa (Homodimer) |
| Cellular Localization | Secreted & Cell surface |
| Species Reactivity | Mouse. |
| Positive Control | CD25+CD4+Tregs. |



SDS-PAGE Analysis Purified GITR Mouse Monoclonal Antibody (DTA-1).
Confirmation of Purity and Integrity of Antibody

Specificity & Comments

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- κ B 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.

Known Applications & Suggested Dilutions

Flow Cytometry (0.5-1ug/million cells in 0.1ml)
Immunofluorescence (1-2ug/ml)
Optimal dilution for a specific application should be determined.

Key References

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

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations

This antibody is available for research use only and is not approved for use in diagnosis.

Warranty

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.