



GITR (ANC5A3): sc-66183

BACKGROUND

The tumor necrosis factor receptor (TNFR) superfamily represents a growing family of type I transmembrane glycoproteins that are involved in various cellular functions, including proliferation, differentiation and programmed cell death. These proteins share homology for cysteine-rich repeats in the extracellular ligand binding domain and an intracellular death domain. Members of the TNFR superfamily transmit signals through protein-protein interactions, and these signals can lead to the activation of either the caspase and Jun kinase pathways, which promote cell death, or the NF κ B pathway, which results in cell survival. The glucocorticoid-induced tumor necrosis factor receptor family-related protein (GITR) is a member of the TNFR superfamily that is preferentially expressed in normal T lymphocytes from thymus, spleen and lymph nodes. GITR shares similarity with Ox40, 4-1BB and CD27 and is thought to inhibit T cell receptor-mediated cell death through the activation of the NF κ B signaling pathway.

REFERENCES

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STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

CHROMOSOMAL LOCATION

Genetic locus: TNFRSF18 (human) mapping to 1p36.3.

SOURCE

GITR (ANC5A3) is a mouse monoclonal antibody raised against PHA stimulated PBL and recombinant GITR of human origin.

PRODUCT

Each vial contains 100 μ g IgG₃ in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

Available as phycoerythrin (sc-66183 PE) or fluorescein (sc-66183 FITC) conjugates for flow cytometry, 100 tests.

APPLICATIONS

GITR (ANC5A3) is recommended for detection of GITR of human origin by flow cytometry (1 μ g per 1 x 10⁶ cells).

Suitable for use as control antibody for GITR siRNA (h): sc-43806.

Molecular Weight of GITR: 25 kDa.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.