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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-GITR [2D3] Standard Size Ab03421-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: 2D3

Alternative Name(s) of Target: CD357; TNFRSF18; AITR; GITR; Tumor necrosis factor receptor superfamily member 18; Activation-inducible TNFR family receptor; Glucocorticoid-induced TNFR-related protein; 2D3-mHvKv

UniProt Accession Number of Target Protein: Q9Y5U5

Published Application(s): therapeutic, ELISA, FC

Published Species Reactivity: Human, Rhesus Monkey

Immunogen: The original antibody was generated by immunizing 6-8 weeks old female BALB/c mice with his-tagged human GITR protein.

Specificity: This antibody binds human and rhesus monkey GITR (TNFRSF18; CD357) and does not cross react with mouse GITR. This protein acts as a receptor for TNFSF18, which is involved in interactions between activated T-lymphocytes and endothelial cells and in the regulation of T-cell receptor-mediated cell death.

Application Notes: The initial binding characterization of the antibody was done using ELISA. The binding reactivity of this antibody to human, mouse and rhesus monkey GITR was determined using flow cytometry. This antibody was shown to cross react with human and rhesus monkey GITR and not mouse GITR. The binding affinity of the original mouse IgG1 antibody for human GITR was determined using surface plasmon resonance and was found to be $K_d = 7.75 \times 10^{-10} \text{M}$. The anti-tumor effect of this antibody was tested in vivo in a mouse colon cancer model. Murine MC-38 cells (colon adenocarcinoma cells) were injected subcutaneously in B-hGITR mice and treated with this antibody. It was reported that this antibody showed good tumor inhibitory effect (CN111763257).

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.