

Anti-TNFRSF18 Picoband Antibody

Catalog # ABO13004

Specification

Anti-TNFRSF18 Picoband Antibody - Product Information

ApplicationWBPrimary AccessionO9Y5U5HostRabbitReactivityHuman, Mouse, RatClonalityPolyclonalFormatLyophilizedDescriptionRabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member18(TNFRSF18) detection. Tested with WB in Human; Mouse; Rat.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-TNFRSF18 Picoband Antibody - Additional Information

Gene ID 8784

Other Names Tumor necrosis factor receptor superfamily member 18, Activation-inducible TNFR family receptor, Glucocorticoid-induced TNFR-related protein, CD357, TNFRSF18, AITR, GITR

Calculated MW 26000 MW KDa

Application Details Western blot, 0.1-0.5 μg/ml, Mouse, Rat, Human

Subcellular Localization Isoform 1: Cell membrane; Single-pass type I membrane protein.

Tissue Specificity Expressed in lymph node, peripheral blood leukocytes and weakly in spleen.

Contents Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen

E. coli-derived human TNFRSF18 recombinant protein (Position: L178-V241). Human TNFRSF18 shares 76.2% amino acid (aa) sequence identity with mouse TNFRSF18.

Purification Immunogen affinity purified.

Cross Reactivity



No cross reactivity with other proteins.

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-TNFRSF18 Picoband Antibody - Protein Information

Name TNFRSF18

Synonyms AITR, 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.

Cellular Location [Isoform 1]: Cell membrane; Single-pass type I membrane protein

Tissue Location Expressed in lymph node, peripheral blood leukocytes and weakly in spleen

Anti-TNFRSF18 Picoband Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- <u>Dot Blot</u>
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-TNFRSF18 Picoband Antibody - Images





Figure 1. Western blot analysis of TNFRSF18 using anti-TNFRSF18 antibody (ABO13004). Anti-TNFRSF18 Picoband Antibody - Background

Tumor necrosis factor receptor superfamily member 18 (TNFRSF18), also called GITR or AITR is a protein that in humans is encoded by the TNFRSF18 gene. It is mapped to 1p36.33. This gene encodes a member of the TNF-receptor superfamily. The encoded receptor has been shown to have increased expression upon T-cell activation, and it is thought to play a key role in dominant immunological self-tolerance maintained by CD25(+)CD4(+) regulatory T cells. Knockout studies in mice also suggest the role of this receptor is in the regulation of CD3-driven T-cell activation and programmed cell death. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.