

Human Tumor Necrosis Factor Receptor Superfamily Member 18 (TNFRSF18) ELISA Kit | TNFRSF18 elisa kit

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CATALOG #
AAA330438

REACTIVITY
Human

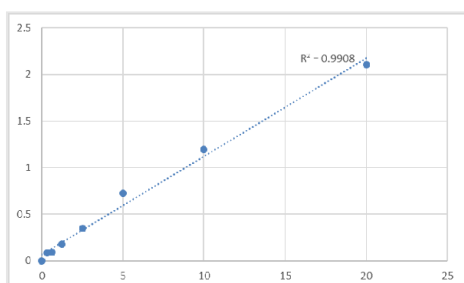
PRODUCT SYNONYMS

Tumor Necrosis Factor Receptor Superfamily Member 18 (TNFRSF18); Human Tumor Necrosis Factor Receptor Superfamily Member 18 (TNFRSF18) ELISA Kit; TNFRSF18; AITR; GITR; GITR-D; TNF receptor superfamily activation-inducible protein; activation-inducible TNFR family receptor; glucocorticoid-induced TNFR-related protein; TNFRSF18 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Tumor necrosis factor receptor superfamily member 18 (TNFRSF18) ELISA Kit has high sensitivity and excellent specificity for detection of Human TNFRSF18. No significant cross-reactivity or interference between Human TNFRSF18 and analogues was observed.
Sequence Length	241
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Tumor necrosis factor receptor superfamily member 18 (TNFRSF18) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TNFRSF18 elisa kit	Description: This Human Tumor necrosis factor receptor superfamily member 18 (TNFRSF18) ELISA Kit employs a two-site sandwich ELISA to quantitate TNFRSF18 in samples. An antibody specific for TNFRSF18 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TNFRSF18 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNFRSF18 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TNFRSF18 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: GITR (glucocorticoid-induced tumor necrosis factor receptor) is a surface receptor molecule that has been shown to be involved in inhibiting the suppressive activity of T-regulatory cells and extending the survival of T-effector cells. In mouse models, GITR was initially noted to be selectively enriched on the surface of regulatory T cells, making this an attractive potential surface marker for these rare cells. However, subsequent studies revealed GITR to also be up-regulated on any activated T cells in humans, thus undermining its utility as a regulatory T cell marker. Members of the tumor necrosis factor (TNF) and TNF receptor (TNFR) superfamilies, such as TNFRSF18, regulate diverse biologic functions, including cell proliferation, differentiation, and survival. For further background information on the TNF and TNFR superfamilies.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4558503
NCBI GeneID	8784
UniProt Accession #	Q9Y5U5
NCBI Official Full Name	glucocorticoid-induced TNFR-related protein
NCBI Official Synonym Full Names	TNF receptor superfamily member 18
NCBI Official Symbol	TNFRSF18
NCBI Official Synonym Symbols	AITR; GITR; CD357; GITR-D; ENERGEN
NCBI Protein Information	tumor necrosis factor receptor superfamily member 18
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 18
UniProt Gene Name	TNFRSF18
UniProt Synonym Gene Names	AITR; GITR
UniProt Entry Name	TNR18_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.