

Human TNFRSF18/GITR ELISA Kit | TNFRSF18 elisa kit

Human TNFRSF18/GITR PicoKine ELISA Kit

CATALOG #
AAA45894

REACTIVITY
Human

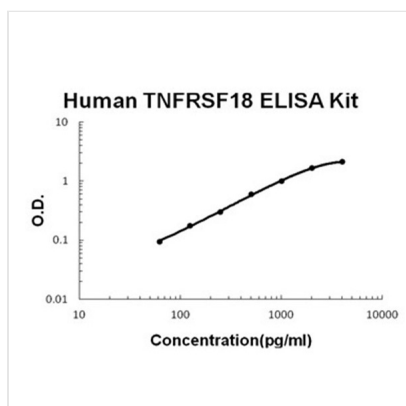
PRODUCT SYNONYMS

TNFRSF18/GITR; Human TNFRSF18/GITR PicoKine ELISA Kit; Tumor necrosis factor receptor superfamily member 18; tumor necrosis factor receptor superfamily; member 18; Activation inducible TNFR family receptor; AITR; GITR; GITR D; Glucocorticoid induced TNFR related protein; TNFRSF18 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human TNFRSF18
Sequence Length	241
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human TNFRSF18/GITR PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TNFRSF18 elisa kit

Principle of the assay: human TNFRSF18 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for TNFRSF18 has been precoated onto 96-well plates. Standards(NSO, Q26-E161) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TNFRSF18 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human TNFRSF18 amount of sample captured in plate.

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. This gene 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13878830
NCBI GeneID	8784
UniProt Accession #	Q9Y5U5; O95851; Q5U0I4; Q9NYJ9; B1AME1
Molecular Weight	25,110 Da
NCBI Official Full Name	Tumor necrosis factor receptor superfamily member 18
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 18
NCBI Official Symbol	TNFRSF18
NCBI Official Synonym Symbols	AITR; GITR; CD357; GITR-D
NCBI Protein Information	tumor necrosis factor receptor superfamily member 18; activation-inducible TNFR family receptor; glucocorticoid-induced TNFR-related protein; TNF receptor superfamily activation-inducible protein
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/tnfrsf18-gitr/45894>