

Human TNFRSF18/GITR ELISA Kit | TNFRSF18/GITR elisa kit

Human TNFRSF18/GITR PicoKine Fast ELISA Kit

CATALOG #
AAA125345

REACTIVITY
Human

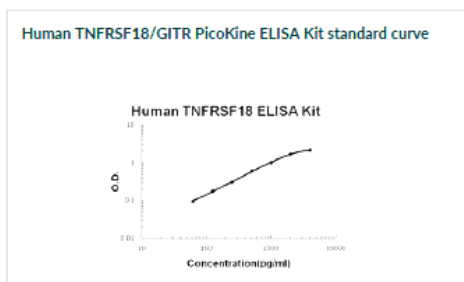
PRODUCT SYNONYMS

TNFRSF18/GITR; Human TNFRSF18/GITR PicoKine Fast ELISA Kit; Human TNFRSF18; Tumor necrosis factor receptor superfamily member 18; Activation-inducible TNFR family receptor; Glucocorticoid-induced TNFR-related protein; CD357; TNFRSF18; AITR; GITR; UNQ319/PRO364; TNFRSF18/GITR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human TNFRSF18
Sequence Length	241
Samples	Cell culture supernates, cell lysates, serum and plasma (heparin, EDTA)
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 accross 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. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNFRSF18/GITR elisa kit	Principle of the Assay: The Picokine™ Human TNFRSF18 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human TNFRSF18 with a 96-well strip plate that is pre-coated with antibody specific for TNFRSF18. The detection antibody is a biotinylated antibody specific for TNFRSF18. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human TNFRSF18 with immunogen: Expression system for standard: NSO; Immunogen sequence: Q26-E161. The kit is analytically validated with ready to use reagents. To measure Human TNFRSF18, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human TNFRSF18 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human TNFRSF18 in the sample.!!Background/Introduction: 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 #	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.