

Human Glucocorticoid Induced Tumor Necrosis Factor Receptor (GITR) ELISA Kit | GITR elisa kit

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CATALOG #
AAA184934

REACTIVITY
Human

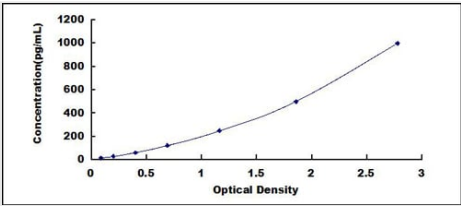
PRODUCT SYNONYMS

Glucocorticoid Induced Tumor Necrosis Factor Receptor (GITR); Human Glucocorticoid Induced Tumor Necrosis Factor Receptor (GITR) ELISA Kit; TNFRSF18; AITR; Tumor Necrosis Factor Receptor Superfamily 18; Glucocorticoid-induced TNFR-related protein; Activation-inducible TNFR family receptor; GITR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Glucocorticoid Induced Tumor Necrosis Factor Receptor (GITR). No significant cross-reactivity or interference between Glucocorticoid Induced Tumor Necrosis Factor Receptor (GITR) and analogues was observed.
Sequence Length	132
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	15.62-1000pg/mL
Sensitivity	< 6.5pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Glucocorticoid Induced Tumor Necrosis Factor Receptor (GITR) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Glucocorticoid Induced Tumor Necrosis Factor Receptor (GITR) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GITR elisa kit

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Glucocorticoid Induced Tumor Necrosis Factor Receptor (GITR). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Glucocorticoid Induced Tumor Necrosis Factor Receptor (GITR). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Glucocorticoid Induced Tumor Necrosis Factor Receptor (GITR), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Glucocorticoid Induced Tumor Necrosis Factor Receptor (GITR) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2228584
NCBI GeneID	21936
UniProt Accession #	O35714; Q9JKR1; Q9JKR2; Q9JKR3
Molecular Weight	14,106 Da
NCBI Official Full Name	glucocorticoid induced TNFR family related protein
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 18
NCBI Official Symbol	Tnfrsf18
NCBI Official Synonym Symbols	AITR; Gitr
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	Gitr

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/glucocorticoid-induced-tumor-necrosis-factor-receptor-gitr/184934>