Glucocorticoid Induced Tumor Necrosis Factor Receptor (GITR) ELISA Kit for Chicken

PRODUCT OVERVIEW

Product Name	Glucocorticoid Induced Tumor Necrosis Factor Receptor (GITR), ELISA Kit
Full Product Name	Chicken Glucocorticoid Induced Tumor Necrosis Factor Receptor ELISA Kit
Product Gene Name	GITR elisa kit
Species Reactivity	Chicken
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	26,000 Da
OMIM	603905
3D Structure	ModBase 3D Structure for Q9Y5U5
Related Product Information for GITR elisa kit	MBS097356 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Glucocorticoid Induced Tumor Necrosis Factor Receptor (GITR) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing GITR. The ELISA analytical biochemical technique of the MBS097356 kit is based on GITR antibody-GITR antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect GITR antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, GITR. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of GITR elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GITR. It may not necessarily be applicable to this product.

NCBI GI #	4558503
NCBI GeneID	8784
NCBI Accession #	AAD22635.1
UniProt Primary Accession #	Q9Y5U5
UniProt Secondary Accession #	O95851; Q5U0I4; Q9NYJ9; B1AME1
UniProt Related Accession #	Q9Y5U5
NCBI Official Full Name	glucocorticoid-induced TNFR-related protein
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
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 18
UniProt Synonym Protein Names	Activation-inducible TNFR family receptor; Glucocorticoid-induced TNFR-related protein
UniProt Gene Name	TNFRSF18

UniProt Synonym Gene Names	AITR; GITR
UniProt Entry Name	TNR18_HUMAN
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
NCBI Summary for GITR	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. [provided by RefSeq, Feb 2011]
UniProt Comments for GITR	TNFRSF18: 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. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Receptor, cytokine; Apoptosis Chromosomal Location of Human Ortholog: 1p36.3 Cellular Component: integral to plasma membrane; extracellular region; external side of plasma membrane Molecular Function: tumor necrosis factor receptor activity Biological Process: tumor necrosis factor-mediated signaling pathway; apoptosis; signal transduction; negative regulation of apoptosis
Research Articles on GITR	**1.** these results show a higher susceptibility to apoptosis in patients' versus controls' T(reg) cells, suggesting that GITR is a T(reg)-cell marker that would be primarily involved in T(reg)-cell survival rather than in their suppressor function.
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