

Human Interferon Inducible T-Cell Alpha Chemoattractant (ITaC) ELISA Kit | ITaC elisa kit

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CATALOG #
AAA138185

REACTIVITY
Human

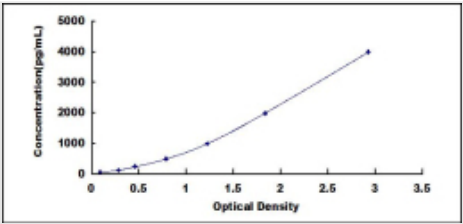
PRODUCT SYNONYMS

Interferon Inducible T-Cell Alpha Chemoattractant (ITaC); Human Interferon Inducible T-Cell Alpha Chemoattractant (ITaC) ELISA Kit; CXCL11; I-TAC; IP9; SCYB11; SCYB9B; B-R1; Chemokine(C-X-C-Motif)ligand 11; Small Inducible Cytokine Subfamily B Member 11; Interferon gamma-inducible protein 9; ITaC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Interferon Inducible T-Cell Alpha Chemoattractant (ITaC). No significant cross-reactivity or interference between Interferon Inducible T-Cell Alpha Chemoattractant (ITaC) and analogues was observed.
Sequence Length	94
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	62.5-4,000pg/mL
Sensitivity	26.7pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Interferon Inducible T-Cell Alpha Chemoattractant (ITaC) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Interferon Inducible T-Cell Alpha Chemoattractant (ITaC) 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 ITaC 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 Interferon Inducible T-Cell Alpha Chemoattractant (ITaC). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Interferon Inducible T-Cell Alpha Chemoattractant (ITaC). 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 Interferon Inducible T-Cell Alpha Chemoattractant (ITaC), 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 Interferon Inducible T-Cell Alpha Chemoattractant (ITaC) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ITaC elisa kit	Cytokine; Signal transduction; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	3219693
NCBI GeneID	6373
UniProt Accession #	O14625; Q53YA3; Q92840
Molecular Weight	10,365 Da
NCBI Official Full Name	interferon stimulated T-cell alpha chemoattractant
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 11
NCBI Official Symbol	CXCL11
NCBI Official Synonym Symbols	IP9; H174; IP-9; b-R1; I-TAC; SCYB11; SCYB9B
NCBI Protein Information	C-X-C motif chemokine 11
UniProt Protein Name	C-X-C motif chemokine 11
UniProt Gene Name	CXCL11
UniProt Synonym Gene Names	ITAC; SCYB11; SCYB9B; IP-9; I-TAC
UniProt Entry Name	CXL11_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.