

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

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CATALOG #
AAA63769

REACTIVITY
Rat

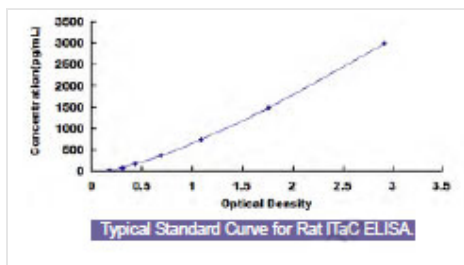
PRODUCT SYNONYMS

Interferon Inducible T-Cell Alpha Chemoattractant (ITaC); Rat 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	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ITaC. No significant cross-reactivity or interference between ITaC and analogues was observed.
Sequence Length	100
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	46.875-3000pg/mL
Sensitivity	16.13pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ITaC were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ITaC were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ITaC elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ITaC in rat serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ITaC. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 ITaC in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33636734
NCBI GeneID	305236
NCBI Accession #	NP_891997.1
NCBI GenBank Nucleotide #	NM_182952.2
UniProt Accession #	Q7TNL0
Molecular Weight	11,154 Da
NCBI Official Full Name	C-X-C motif chemokine 11
NCBI Official Synonym Full Names	C-X-C motif chemokine ligand 11
NCBI Official Symbol	Cxcl11
NCBI Official Synonym Symbols	SCYB11
NCBI Protein Information	C-X-C motif chemokine 11
UniProt Protein Name	C-X-C motif chemokine
UniProt Gene Name	Cxcl11

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.