

## ARG81444 Human CXCL11 / I-TAC ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81444-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81444-002	Standard	2 X 10 ng/vial	4°C
ARG81444-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81444-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81444-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81444-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81444-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81444-008	25X Wash buffer	20 ml	4°C
ARG81444-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81444-010	STOP solution	10 ml (Ready to use)	4°C
ARG81444-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81444 Human CXCL11 / I-TAC ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CXCL11 / I-TAC in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CXCL11 / I-TAC
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.4% Inter-Assay CV: 7.5%
Alternate Names	SCYB9B; SCYB11; C-X-C motif chemokine 11; Beta-R1; b-R1; Interferon gamma-inducible protein 9; I-TAC; Small-inducible cytokine B11; Interferon-inducible T-cell alpha chemoattractant; H174; IP-9; IP9

## Application Instructions

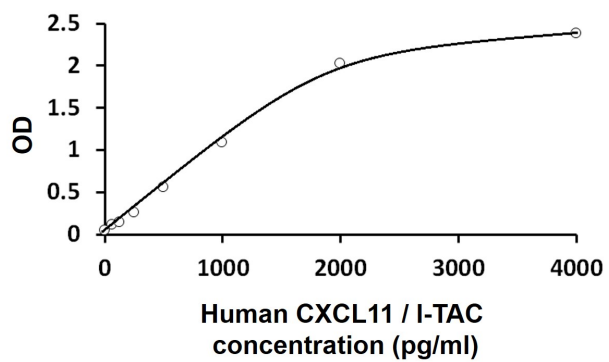
Assay Time	~ 5 hours
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## Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	CXCL11
Gene Full Name	chemokine (C-X-C motif) ligand 11
Background	Chemokines are a group of small (approximately 8 to 14 kD), mostly basic, structurally related molecules that regulate cell trafficking of various types of leukocytes through interactions with a subset of 7-transmembrane, G protein-coupled receptors. Chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis. Chemokines are divided into 2 major subfamilies, CXC and CC. This antimicrobial gene is a CXC member of the chemokine superfamily. Its encoded protein induces a chemotactic response in activated T-cells and is the dominant ligand for CXC receptor-3. The gene encoding this protein contains 4 exons and at least three polyadenylation signals which might reflect cell-specific regulation of expression. IFN-gamma is a potent inducer of transcription of this gene. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2014]
Function	Chemotactic for interleukin-activated T-cells but not unstimulated T-cells, neutrophils or monocytes. Induces calcium release in activated T-cells. Binds to CXCR3. May play an important role in CNS diseases which involve T-cell recruitment. May play a role in skin immune responses. [UniProt]
Highlight	Related products: <a href="#">CXCL11 antibodies</a> ; <a href="#">CXCL11 ELISA Kits</a> ; Related news: <a href="#">circNDUFB2, a circular RNA (circRNA), activates anti-tumor immunity</a> New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>



ARG81444 Human CXCL11 / I-TAC ELISA Kit standard curve image

ARG81444 Human CXCL11 / I-TAC ELISA Kit results of a typical standard run with optical density reading at 450 nm.

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