Human I-TAC/CXCL11 Antibody Pair Set

Catalog No. E-KAB-0536 **Applications** ELISA
Synonyms CXCL11;H174;IP-9;IP9;SCYB11;SCYB9B;b-R1

Kit components & Storage

Title	Specifications	Storage
Human I-TAC/CXCL11 Capture Antibody	1 vial, 100 μ g	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Human I-TAC/CXCL11 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

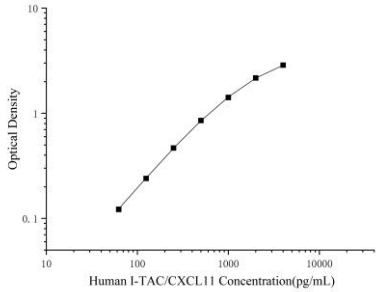
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0536)	
		Human I-TAC/CXCL11 Capture Antibody	Human I-TAC/CXCL11 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human I-TAC/CXCL11 protien	Recombinant Human I-TAC/CXCL11 protien
	Swissprot	O14625	
Product details	Reactivity	Human	Human
	Host	Mouse	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Protein A or G	Antigen Affinity
	Specificity	Detects Human I-TAC/CXCL11 in ELISAs.	

Applications

Human I-TAC/CXCL11 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Human I-TAC/CXCL11 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human I-TAC/CXCL11 Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

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.