

ARG81678 Human CCL21 / Exodus 2 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81678-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81678-002	Standard	2 X 10 ng/vial	4°C
ARG81678-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81678-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81678-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81678-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81678-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81678-008	25X Wash buffer	20 ml	4°C
ARG81678-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81678-010	STOP solution	10 ml (Ready to use)	4°C
ARG81678-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81678 Human CCL21 / Exodus 2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CCL21 / Exodus 2 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	CCL21 / Exodus 2
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: 5.2%; Inter-Assay CV: 5.8%
Alternate Names	TCA4; Small-inducible cytokine A21; Beta-chemokine exodus-2; ECL; SCYA21; Secondary lymphoid-tissue chemokine; CKb9; 6Ckine; C-C motif chemokine 21; SLC

Application Instructions

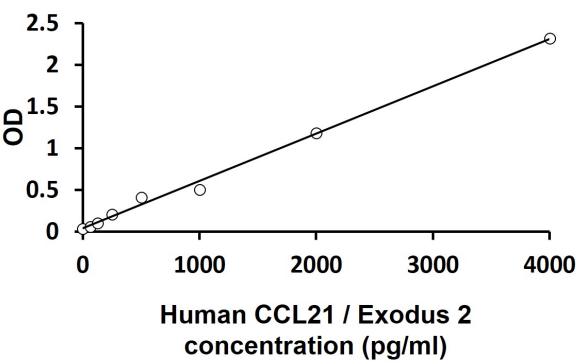
Assay Time	~ 5 hours
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Properties

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	CCL21
Gene Full Name	chemokine (C-C motif) ligand 21
Background	This antimicrobial gene is one of several CC cytokine genes clustered on the p-arm of chromosome 9. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. Similar to other chemokines the protein encoded by this gene inhibits hemopoiesis and stimulates chemotaxis. This protein is chemotactic in vitro for thymocytes and activated T cells, but not for B cells, macrophages, or neutrophils. The cytokine encoded by this gene may also play a role in mediating homing of lymphocytes to secondary lymphoid organs. It is a high affinity functional ligand for chemokine receptor 7 that is expressed on T and B lymphocytes and a known receptor for another member of the cytokine family (small inducible cytokine A19). [provided by RefSeq, Sep 2014]
Function	Inhibits hemopoiesis and stimulates chemotaxis. Chemotactic in vitro for thymocytes and activated T-cells, but not for B-cells, macrophages, or neutrophils. Shows preferential activity towards naive T-cells. May play a role in mediating homing of lymphocytes to secondary lymphoid organs. Binds to atypical chemokine receptor ACKR4 and mediates the recruitment of beta-arrestin (ARRB1/2) to ACKR4. [UniProt]
Highlight	Related products: CCL21 antibodies ; CCL21 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81678 Human CCL21 / Exodus2 ELISA Kit standard curve image

ARG81678 Human CCL21 / Exodus2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.