

ARG81547 Human CXCL14 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81547-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81547-002	Standard	2 X 10 ng/vial	4°C
ARG81547-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81547-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81547-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81547-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81547-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81547-008	25X Wash buffer	20 ml	4°C
ARG81547-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81547-010	STOP solution	10 ml (Ready to use)	4°C
ARG81547-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81547 Human CXCL14 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CXCL14 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Predict Reactivity	Bov, Hm, Hrs, Mk
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CXCL14
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: 6.3% Inter-Assay CV: 7.3%
Alternate Names	MIP-2G; KS1; BMAC; Small-inducible cytokine B14; KEC; C-X-C motif chemokine 14; MIP-2g; Chemokine BRAK; MIP2G; BRAK; NJAC; SCYB14

Application Instructions

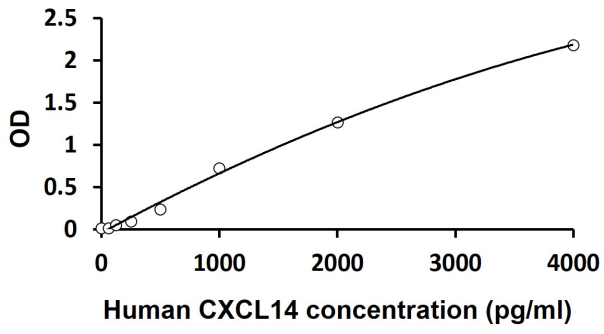
Assay Time	~ 5 hours
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Properties

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	CXCL14
Gene Full Name	chemokine (C-X-C motif) ligand 14
Background	This antimicrobial gene belongs to the cytokine gene family which encode secreted proteins involved in immunoregulatory and inflammatory processes. The protein encoded by this gene is structurally related to the CXC (Cys-X-Cys) subfamily of cytokines. Members of this subfamily are characterized by two cysteines separated by a single amino acid. This cytokine displays chemotactic activity for monocytes but not for lymphocytes, dendritic cells, neutrophils or macrophages. It has been implicated that this cytokine is involved in the homeostasis of monocyte-derived macrophages rather than in inflammation. [provided by RefSeq, Sep 2014]
Function	Potent chemoattractant for neutrophils, and weaker for dendritic cells. Not chemotactic for T-cells, B-cells, monocytes, natural killer cells or granulocytes. Does not inhibit proliferation of myeloid progenitors in colony formation assays. [UniProt]
Highlight	Related products: CXCL antibodies ; CXCL ELISA Kits ; CXCL Duos / Panels ; CXCL recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Ubiquitinated, followed by degradation by the proteasome. [UniProt]



ARG81547 Human CXCL14 ELISA Kit standard curve image

ARG81547 Human CXCL14 ELISA Kit results of a typical standard run with optical density reading at 450 nm.