

ARG81442 Human CXCL5 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81442-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81442-002	Standard	2 X 10 ng/vial	4°C
ARG81442-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81442-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81442-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81442-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81442-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81442-008	25X Wash buffer	20 ml	4°C
ARG81442-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81442-010	STOP solution	10 ml (Ready to use)	4°C
ARG81442-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81442 Human CXCL5 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CXCL5 in serum, plasma (heparin, EDTA, citrate) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CXCL5
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA, citrate) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.2% Inter-Assay CV: 7.3%
Alternate Names	Neutrophil-activating peptide ENA-78; Epithelial-derived neutrophil-activating protein 78; SCYB5; Small-inducible cytokine B5; C-X-C motif chemokine 5; 9-78; 8-78; 1-78; ENA-78

Application Instructions

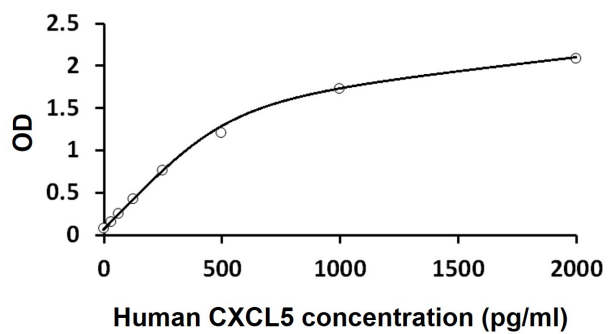
Assay Time	~ 5 hours
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Properties

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	CXCL5
Gene Full Name	chemokine (C-X-C motif) ligand 5
Background	This gene encodes a protein that is a member of the CXC subfamily of chemokines. Chemokines, which recruit and activate leukocytes, are classified by function (inflammatory or homeostatic) or by structure. This protein is proposed to bind the G-protein coupled receptor chemokine (C-X-C motif) receptor 2 to recruit neutrophils, to promote angiogenesis and to remodel connective tissues. This protein is thought to play a role in cancer cell proliferation, migration, and invasion. [provided by RefSeq, May 2013]
Function	Involved in neutrophil activation. In vitro, ENA-78(8-78) and ENA-78(9-78) show a threefold higher chemotactic activity for neutrophil granulocytes. [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	N-terminal processed forms ENA-78(8-78) and ENA-78(9-78) are produced by proteolytic cleavage after secretion from peripheral blood monocytes. [UniProt]



ARG81442 Human CXCL5 ELISA Kit standard curve image

ARG81442 Human CXCL5 ELISA Kit results of a typical standard run with optical density reading at 450 nm.