

ARG81992 Rat CXCL4 / PF4 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81992-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81992-002	Standard	2 X 10 ng/vial	4°C
ARG81992-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81992-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81992-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81992-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81992-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81992-008	25X Wash buffer	20 ml	4°C
ARG81992-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81992-010	STOP solution	10 ml (Ready to use)	4°C
ARG81992-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81992 Rat CXCL4 / PF4 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat CXCL4 / PF4 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CXCL4 / PF4
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.4%; Inter-Assay CV: 6.1%
Alternate Names	Platelet factor 4; Iroplact; CXCL4; C-X-C motif chemokine 4; Oncostatin-A; SCYB4; PF-4

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	PF4
Gene Full Name	platelet factor 4
Background	This gene encodes a member of the CXC chemokine family. This chemokine is released from the alpha granules of activated platelets in the form of a homotetramer which has high affinity for heparin and is involved in platelet aggregation. This protein is chemotactic for numerous other cell type and also functions as an inhibitor of hematopoiesis, angiogenesis and T-cell function. The protein also exhibits antimicrobial activity against Plasmodium falciparum. [provided by RefSeq, Oct 2014]
Function	Released during platelet aggregation. Neutralizes the anticoagulant effect of heparin because it binds more strongly to heparin than to the chondroitin-4-sulfate chains of the carrier molecule. Chemotactic for neutrophils and monocytes. Inhibits endothelial cell proliferation, the short form is a more potent inhibitor than the longer form. [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

Images

