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# **PF4 ELISA Kit**





### Overview

Quantity:	96 tests
Target:	PF4
Binding Specificity:	AA 30-105
Reactivity:	Rat
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details	
Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Rat CXCL4/PF4. 96wells/kit, with removable strips.
Brand:	PicoKine™
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: E.coli, Immunogen sequence: V30-S105
Sensitivity:	< 15 pg/mL
Components:	96-well plate precoated with antibody lyophilized recombinant standard

biotinylated antibody (dilution 1:100)

Avidin-Biotin-Peroxidase Complex(ABC)(dilution 1:100)

Sample diluent buffer

Antibody diluent buffer

ABC diluent buffer

TMB color developing agent

TMB stop solution

Adhesive cover

### **Target Details**

Target:	PF4
Alternative Name:	Pf4 (PF4 Products)
Background:	Synonyms: Platelet factor 4, PF-4, C-X-C motif chemokine 4, Pf4, Cxcl4, Scyb4
	Background: Platelet factor 4 (PF4) is a small cytokine belonging to the CXC chemokine family
	that is also known as chemokine (C-X-C motif) ligand 4 (CXCL4). The PF4 gene was localized
	on 4q12-q13. Chemokines 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. Platelet factor-4 is a 70-
	amino acid protein that is released from the alpha-granules of activated platelets and binds
	with high affinity to heparin. Its major physiologic role appears to be neutralization of heparin-
	like molecules on the endothelial surface of blood vessels, thereby inhibiting local antithrombin
	III activity and promoting coagulation. As a strong chemoattractant for neutrophils and
	fibroblasts, PF4 probably has a role in inflammation and wound repair.
	Cellular Localisation: Secreted.
UniProt:	P06765

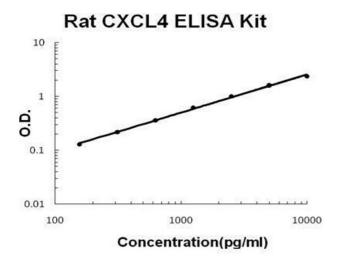
# **Application Details**

Assay Time:	15 min
Plate:	Pre-coated
Restrictions:	For Research Use only
Handling	
Storage:	4 °C,-20 °C

# Handling

Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped
	with wet ice.)
Expiry Date:	12 months

# Images



### **ELISA**

Image 1. Rat CXCL4 PicoKine ELISA Kit standard curve