

Datasheet for ABIN6720061
PF4 ELISA Kit[Go to Product page](#)

1 Image

Overview

Quantity:	1 kit
Target:	PF4
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric

Characteristics:	<p>Synonyms: C X C motif chemokine 4, C-X-C motif chemokine 4, Chemokine (C X C motif) ligand 4, Chemokine (CXC motif) ligand 4, Chemokine, CXC motif, ligand 4, CXCL 4, CXCL4, Iroplact, MGC138298, Oncostatin A, Oncostatin-A, OncostatinA, PF 4, PF-4, PF4, Pf4a, Platelet factor 4, PLF4_HUMAN, RATPF4A, SCYB 4, SCYB4, short form, Small inducible cytokine subfamily B, member 4, Small inducible cytokine subfamily member 4</p> <p>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 map to 4q12-q13. Chemokines play fundamental roles in the development, homeostasis, and</p>
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Product Details

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.

Gene Name: CXCL4

Production: Natural and recombinant mouse CXCL4. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: V30-S105

Target Details

Target:	PF4
Alternative Name:	CXCL4 - PF4 (PF4 Products)
Gene ID:	56744
NCBI Accession:	NP_064316
UniProt:	Q9Z126

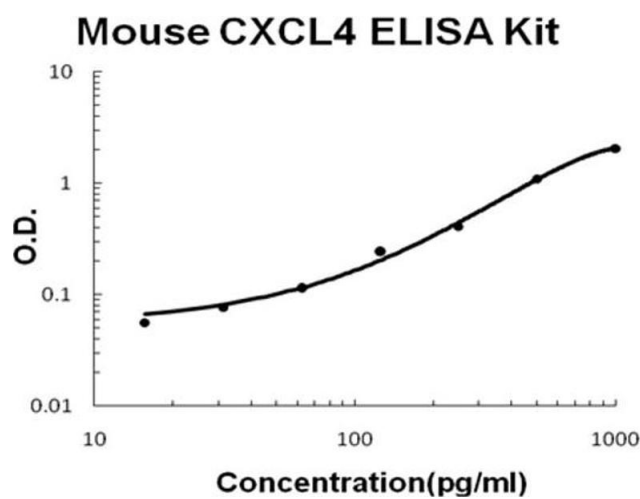
Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, 15.6pg/mL mouse CXCL4 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse CXCL4 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 15.6pg/mL-1000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Mouse CXCL4/PF4 Accusignal ELISA Kit Mouse CXCL4/PF4 AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <1pg/ml.