

Human CXCL4 ELISA Kit | PF4 elisa kit

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CATALOG #
AAA263072

REACTIVITY
Human

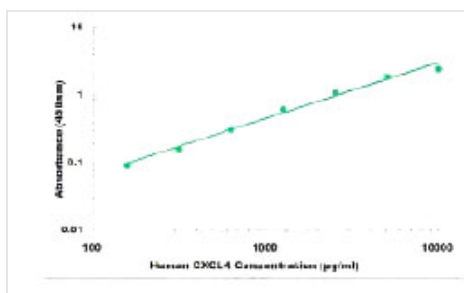
PRODUCT SYNONYMS

CXCL4; Human CXCL4 ELISA Kit; SCYB4; Platelet factor 4; PF-4; C-X-C motif chemokine 4; Iroplact; Oncostatin-A; PF4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human CXCL4 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human CXCL4 proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	101
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<15 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PF4 elisa kit	Principle of the Assay: The Human CXCL4 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human CXCL4 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human CXCL4 coated on a 96-well plate. Standards and samples are pipetted into the wells and CXCL4 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human CXCL4 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CXCL4 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505733
NCBI GeneID	5196
NCBI Accession #	NP_002610.1
NCBI GenBank Nucleotide #	NM_002619.3
UniProt Accession #	P02776; Q53X61; Q9UC64; Q9UC65
Molecular Weight	10,845 Da
NCBI Official Full Name	platelet factor 4
NCBI Official Synonym Full Names	platelet factor 4
NCBI Official Symbol	PF4
NCBI Official Synonym Symbols	PF-4; CXCL4; SCYB4
NCBI Protein Information	platelet factor 4
UniProt Protein Name	Platelet factor 4
UniProt Gene Name	PF4
UniProt Synonym Gene Names	CXCL4; SCYB4; PF-4
UniProt Entry Name	PLF4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pf4-human-elisa-kits/cxcl4/263072>