

Human Platelet Factor 4 ELISA Kit | PF4 elisa kit

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CATALOG #
AAA16087

REACTIVITY
Human

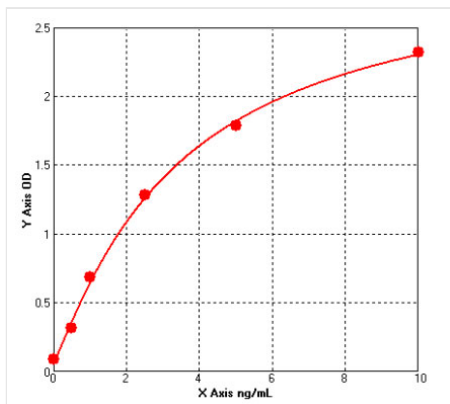
PRODUCT SYNONYMS

Platelet Factor 4; Human Platelet Factor 4 ELISA Kit; PF4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PF4. No significant cross-reactivity or interference between PF4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PF4 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive or Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PF4 elisa kit	Principle of the Assay: PF4 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-PF4 antibody and an PF4-HRP conjugate. The assay sample and buffer are incubated together with PF4-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PF4 concentration since PF4 from samples and PF4-HRP conjugate compete for the anti-PF4 antibody binding site. Since the number of sites is limited, as more sites are occupied by PF4 from the sample, fewer sites are left to bind PF4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PF4 concentration in each sample is interpolated from this standard curve. Intended Uses: This PF4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PF4. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for PF4 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505733
NCBI GeneID	5196
NCBI Accession #	NP_002610.1
NCBI GenBank Nucleotide #	NM_002619.3
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; iroplact; oncostatin-A; C-X-C motif chemokine 4; chemokine (C-X-C motif) ligand 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.