

Human Platelet Factor 4 (PF4) CLIA Kit | PF4 clia kit

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CATALOG # AAA188888	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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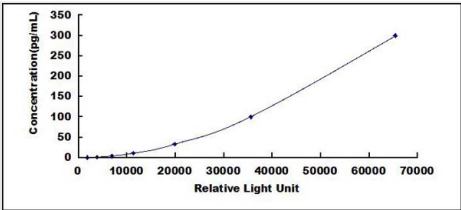
PRODUCT SYNONYMS

Platelet Factor 4 (PF4); Human Platelet Factor 4 (PF4) CLIA Kit; Platelet Factor 4; CXCL4; SCYB4; Chemokine C-X-C-Motif Ligand 4; Oncostatin-A; Iroplact; PF4 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Platelet Factor 4 (PF4). No significant cross-reactivity or interference between Platelet Factor 4 (PF4) and analogues was observed.
Sequence Length	101
Assay Type	Double-antibody Sandwich
Samples	Serum, platelet-poor plasma and cell culture supernates
Detection Range	0.41-300pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.17pg/mL
Applicable Applications for PF4 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Platelet Factor 4 (PF4) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Platelet Factor 4 (PF4) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Platelet Factor 4 (PF4). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Platelet Factor 4 (PF4). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Platelet Factor 4 (PF4) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505733
NCBI GeneID	5196
NCBI Accession #	NP_002610.1
NCBI GenBank Nucleotide #	NP_002610.1
UniProt Accession #	P02776
NCBI Official Full Name	platelet factor 4 isoform 1
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.