

Bovine Platelet Factor 4 (PF4) ELISA Kit | PF4 elisa kit

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CATALOG #
AAA67171

REACTIVITY
Bovine

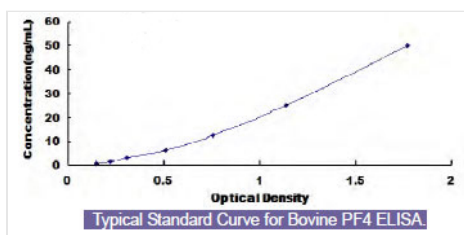
PRODUCT SYNONYMS

Platelet Factor 4 (PF4); Bovine Platelet Factor 4 (PF4) ELISA Kit; CXCL4 SCYB4 Chemokine C-X-C-Motif Ligand 4 Oncostatin-A Iroplact; PF4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
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.
Sequence Length	118
Samples	Serum, platelet-poor plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.781-50ng/mL
Sensitivity	0.27ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PF4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PF4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PF4 elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PF4 in bovine serum, platelet-poor plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PF4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PF4. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PF4, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PF4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	155371855
NCBI GeneID	507790
NCBI Accession #	NP_001094532.1
NCBI GenBank Nucleotide #	NM_001101062.1
UniProt Accession #	A6QPP9; P02777
Molecular Weight	12,609 Da
NCBI Official Full Name	platelet factor 4
NCBI Official Symbol	PF4
NCBI Protein Information	platelet factor 4
UniProt Protein Name	C-X-C motif chemokine
UniProt Gene Name	PF4

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/bovine-ovine-elisa-kits/platelet-factor-4-pf4/67171>