

Human CXCL4/PF4 AccuSignal ELISA Kit - KOA0423

Code: KOA0423

Size: 1 Kit

Product Description: Human CXCL4/PF4 AccuSignal ELISA Kit - KOA0423

Concentration: 1 Kit

PhysicalState:

Label	Unconjugated
Gene Name	CXCL4
Species Reactivity	Human
Storage Condition	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.
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
Application Note	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml human CXCL4 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each human CXCL4 standard solution and each sample be measured in duplicate.
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.
Purity And Specificity	Natural and recombinant human CXCL4. There is no detectable cross-reactivity with other relevant proteins.
ELISA	156pg/ml-10000pg/ml
Expiration	See kit insert for complete instructions.
Immunogen	Expression system for standard: E.coli; Immunogen sequence: E32-S101
Anti-Coagulant	Heparin Sodium

Related Products

MB-008	10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008
MB-012	10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
MB-013	10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013
MB-075-1000	10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000

Related Links

UniProtKB - P02776

<http://www.uniprot.org/uniprot/P02776>

 NCBI - http://www.ncbi.nlm.nih.gov/protein/NP_002610.1

GeneID - 5196

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=5196>

KOA0423 Protocol <http://www.rockland-inc.com/uploadedfiles/Support/KOA0423.pdf>

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.