

Mouse CXCL4/PF4 ELISA Kit | CXCL4 elisa kit

Mouse CXCL4/PF4 PicoKine ELISA Kit

CATALOG #
AAA45560

REACTIVITY
Mouse

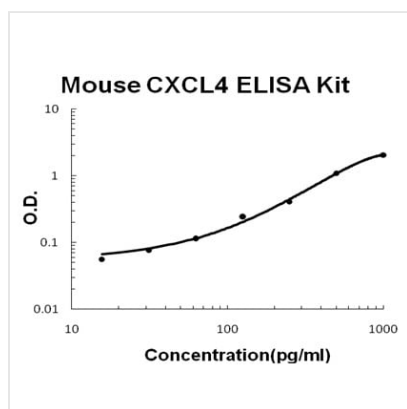
PRODUCT SYNONYMS

CXCL4/PF4; Mouse CXCL4/PF4 PicoKine ELISA Kit; C-X-C motif chemokine 4; chemokine (C-X-C motif) ligand 4; C X C motif chemokine 4; Chemokine (C X C 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 member 4; CXCL4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse CXCL4
Sequence Length	105
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	< 1pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse CXCL4/PF4 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CXCL4 elisa kit

Principle of the assay: mouse CXCL4 ELISA Kit is based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for CXCL4 has been precoated onto 96-well plates. Standards(E.coli, V30-S105) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CXCL4 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex is added and unbound conjugates are washed away with PBS or TBS buffer. HRP substrate TMB are used to visualize HRP enzymatic reaction. TMB is catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse CXCL4 amount of sample captured in plate.

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 map to 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	24638135
NCBI GeneID	56744
UniProt Accession #	Q9Z126
Molecular Weight	11,243 Da
NCBI Official Full Name	Platelet factor 4
NCBI Official Synonym Full Names	platelet factor 4
NCBI Official Symbol	Pf4
NCBI Official Synonym Symbols	Cxcl4; Scyb4
NCBI Protein Information	platelet factor 4; PF-4; 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_MOUSE

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/mouse-elisa-kits/cxcl4-pf4/45560>