

Human Plexin B2 ELISA Kit | PLXNB2 elisa kit

Human Plexin B2 PicoKine ELISA Kit

CATALOG #
AAA125062

REACTIVITY
Human

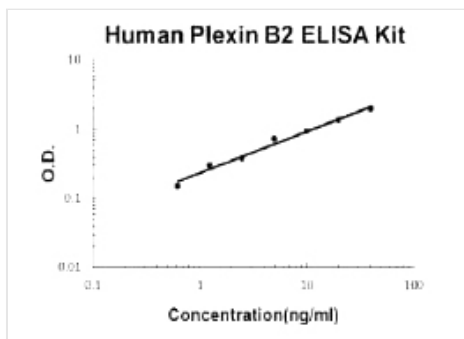
PRODUCT SYNONYMS

Plexin B2; Human Plexin B2 PicoKine ELISA Kit; Human Plexin B2; PLXNB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human PGF
Sequence Length	470
Samples	Cell Culture Supernates, Serum, Plasma(Heparin, Edta, Citrate) And Urine
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<1pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLXNB2 elisa kit	Principle of the Assay: The Picokine Human PGF Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human PGF with a 96-well strip plate that is pre-coated with antibody specific for PGF. The detection antibody is a biotinylated antibody specific for PGF. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human PGF with immunogen: Expression system for standard: E.coli; Immunogen sequence: A21-R149. The kit is analytically validated with ready to use reagents. To measure Human PGF, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human PGF in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human PGF in the sample!!Background/Introduction: The protein, also called PGF, is 149 amino acids long and shares 53% identity with the platelet-derived growth factor-like region of human VPF. And the N-glycosylated PLGF protein is secreted into the medium and that it functions as a dimer1. The PLGF gene is mapped to 14q24-q31. There are 3 isoforms of PGF, designated PGF1, PGF2, and PGF3. Only PGF2 is able to bind heparin. Additionally, PGF regulates inter-and intramolecular cross-talk between the VEGF receptor tyrosine kinases FLT1 and FLK12. It also can stimulate angiogenesis and collateral growth in ischemic heart and limb with at least a comparable efficiency to VEGF3.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	30582613
NCBI GeneID	23654
NCBI Official Full Name	plexin B2
NCBI Official Synonym Full Names	plexin B2
NCBI Official Symbol	PLXNB2
NCBI Official Synonym Symbols	MM1; PLEXB2; Nbla00445; dJ402G11.3
NCBI Protein Information	plexin-B2

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.