

Mouse Pleiotrophin ELISA Kit | PTN elisa kit

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CATALOG #
AAA86500

REACTIVITY
Mouse

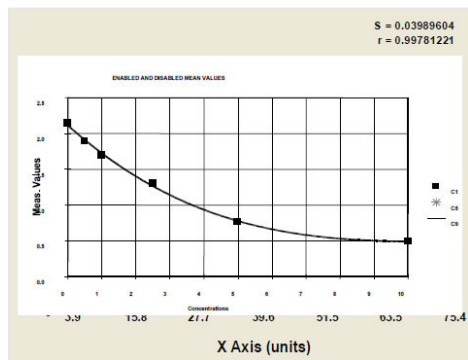
PRODUCT SYNONYMS

Pleiotrophin; Mouse Pleiotrophin ELISA Kit; PTN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500pg/mL
Sensitivity	1.0ng/mL
Intended Uses	This PTN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PTN. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for PTN elisa kit

Principle of the assay: PTN ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PTN antibody and an PTN-HRP conjugate. The assay sample and buffer are incubated together with PTN-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PTN concentration since PTN from samples and PTN-HRP conjugate compete for the anti-PTN antibody binding site. Since the number of sites is limited, as more sites are occupied by PTN from the sample, fewer sites are left to bind PTN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PTN concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	47496623
UniProt Accession #	P21246; Q5U0B0; Q6ICQ5; Q9UCC6
Molecular Weight	18,942 Da
NCBI Official Full Name	PTN, partial
UniProt Protein Name	Pleiotrophin
UniProt Gene Name	PTN
UniProt Synonym Gene Names	HBNF1; NEGF1; PTN; HBBM; HBGF-8; HB-GAM; HBNF-1; OSF-1
UniProt Entry Name	PTN_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.