

PRELP elisa kit

Human PRELP ELISA Kit

CATALOG #
AAA19191

REACTIVITY
Human There is no detectable cross-reactivity with other relevant proteins.

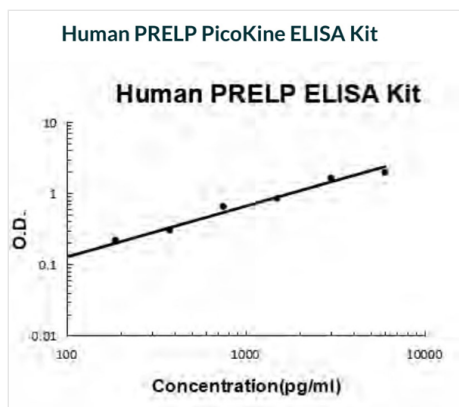
PRODUCT SYNONYMS

PRELP; Human PRELP ELISA Kit; Human PRELP; Prolargin; Proline-arginine-rich end leucine-rich repeat protein; SLRR2A; PRELP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Human PRELP
Sequence Length	382
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA, citrate)
Detection Range	93.8 pg/ml - 6,000 pg/ml
Sensitivity	<50 pg/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.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRELP elisa kit	Background: Prolargin is a protein that in humans is encoded by the PRELP gene. It is mapped to 1q32.1. The protein encoded by this gene is a leucine-rich repeat protein present in connective tissue extracellular matrix. This protein functions as a molecule anchoring basement membranes to the underlying connective tissue. This protein has been shown to bind type I collagen to basement membranes and type II collagen to cartilage. It also binds the basement membrane heparan sulfate proteoglycan perlecan. This protein is suggested to be involved in the pathogenesis of Hutchinson-Gilford progeria (HGP), which is reported to lack the binding of collagen in basement membranes and cartilage. Alternatively spliced transcript variants encoding the same protein have been observed. Principle of the Assay: The Picokine™ Human PRELP Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human PRELP with a 96-well strip plate that is pre-coated with antibody specific for PRELP. The detection antibody is a biotinylated antibody specific for PRELP. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated monoclonal antibody from goat. The kit contains recombinant Human PRELP with immunogen: Expression system for standard: NS0; Immunogen sequence: Q21-I382. The kit is analytically validated with ready-to-use reagents. To measure Human PRELP, 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 an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human PRELP in the sample. Read the absorbance 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 PRELP in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	41349454
NCBI GeneID	5549
NCBI Accession #	NP_958505.1
NCBI GenBank Nucleotide #	NP_958505.1
UniProt Accession #	P51888
NCBI Official Full Name	prolargin
NCBI Official Synonym Full Names	proline and arginine rich end leucine rich repeat protein
NCBI Official Symbol	PRELP
NCBI Official Synonym Symbols	MST161; SLRR2A; MSTP161
NCBI Protein Information	prolargin
UniProt Protein Name	Prolargin
UniProt Gene Name	PRELP
UniProt Synonym Gene Names	SLRR2A
UniProt Entry Name	PRELP_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.