

Human PKLR ELISA Kit | PKLR elisa kit

Human PKLR ELISA Kit PicoKine

CATALOG # AAA128008	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

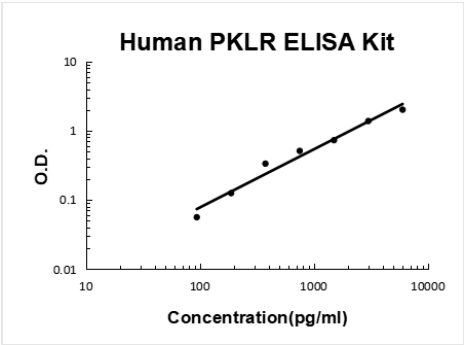
PKLR; Human PKLR ELISA Kit PicoKine; PKLR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	cell culture supernatants, serum and plasma (heparin, EDTA, citrate)
Assay Range	93.7pg/ml-6,000pg/ml
Sensitivity	<45pg/ml
Capture antibody and Detection antibody	polyclonal antibody from goat polyclonal antibody from goat
Immunogen	Expression system for standard: E coli; Immunogen sequence: L47-S574
Anticoagulant	heparin, EDTA or citrate
Cross Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Applicable Applications for PKLR elisa kit	ELISA
Kit Components	Description/Quantity Pre-coated 96-well strip microplate/1 Standard/2 vials, 10 ng/tube Biotinylated antibody (100x)/100ul Avidin-Biotin-Peroxidase Complex (100x)/100ul Sample Diluent/30ml Antibody Diluent/12ml Avidin-Biotin-Peroxidase Diluent/12ml Color Developing Reagent (TMB)/10ml Stop Solution/10ml Wash Buffer (25x)/20ml Adhesive plate sealers/4
Materials Required But Not Provided	Microplate Reader capable of reading absorbance at 450nm. Incubator. Automated plate washer (optional). Pipettes and pipette tips capable of precisely dispensing 0.5ul through 1ml volumes of aqueous solutions. Multichannel pipettes are recommended for large amount of samples. Deionized or distilled water. 500ml graduated cylinders. Test tubes for dilution.
Sample Data	Concentration(pg/ml)093.7187.53757501,5003,0006,000O.D.0.0310.0870.1560.3650.5420.7611.4132.048
Intra Assay Consistency & Inter Assay Consistency	Intra-Assay PrecisionInter-Assay PrecisionSample123123n161616242424Mean(pg/ml)18533523661852671851Standard deviation7.2513.9757.978.9418.42116.8CV(%)3.9%4.2%2.5%4.8%6.9%6.3%

Reproducibility	LotsLot 1 (pg/ml)Lot 2 (pg/ml)Lot 3 (pg/ml)Lot 4 (pg/ml)Mean (pg/ml)Standard DeviationCV (%)Sample 118516818617717913.757.7%Sample 233526327831129711.073.7%Sample 323661875228621622172144.026.6%*number of samples for each test n=16.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)
Human PKLR PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for PKLR elisa kit	The brand Picokine indicates this is a premium quality ELISA kit. Each Picokine kit delivers precise quantification, high sensitivity, and excellent reproducibility. Only our most reliable and effective kits qualify as Picokine, guaranteeing top-tier results for your assays.
Product Categories/Family for PKLR elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	32967597
NCBI GeneID	5313
NCBI Accession #	NP_870986.1
NCBI GenBank Nucleotide #	NM_181871.3
UniProt Accession #	P30613; P11973
Molecular Weight	61,830 Da
NCBI Official Full Name	pyruvate kinase PKLR isoform 2
NCBI Official Synonym Full Names	pyruvate kinase, liver and RBC
NCBI Official Symbol	PKLR
NCBI Official Synonym Symbols	PK1; PKL; PKR; RPK; PKRL
NCBI Protein Information	pyruvate kinase PKLR; pyruvate kinase 1; pyruvate kinase type L; pyruvate kinase isozyme R/L; pyruvate kinase isozymes L/R; pyruvate kinase isozymes R/L; R-type/L-type pyruvate kinase; red cell/liver pyruvate kinase; pyruvate kinase, liver and blood cell
UniProt Protein Name	Pyruvate kinase PKLR
UniProt Gene Name	PKLR
UniProt Synonym Gene Names	PK1; PKL

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/human-elisa-kits/pklr/128008>