

Human uPAR ELISA Kit | PLAUR elisa kit

Human uPAR PicoKine ELISA Kit

CATALOG #
AAA45217

REACTIVITY
Human

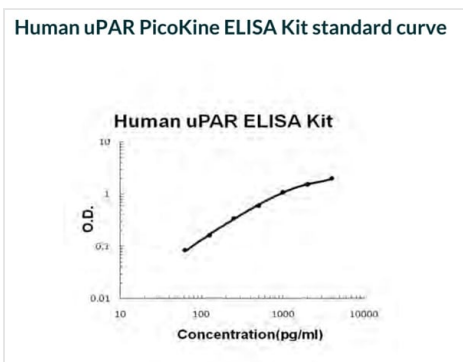
PRODUCT SYNONYMS

uPAR; Human uPAR PicoKine ELISA Kit; Urokinase plasminogen activator surface receptor; plasminogen activator; urokinase receptor; CD87; Monocyte activation antigen Mo3; PLAUR; U-PAR; UPAR_HUMAN; PLAUR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human PLAUR
Sequence Length	335
Samples	Cell culture supernatants, serum, plasma (heparin, EDTA) and urine
Detection Range	62.5 pg/ml - 4,000 pg/ml
Sensitivity	<4 pg/ml
Intra-assay Precision	Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	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, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLAUR elisa kit	Background: The urokinase-type plasminogen activator receptor (uPAR) is a key molecule in the regulation of cell-surface plasminogen activation and, as such, plays an important role in many normal as well as pathological processes. The cDNA for Mo3, an activation antigen expressed by human monocytes and myelomonocytic cell lines after stimulation by a variety of agents. Mo3 expression in vivo is associated predominantly with macrophages in inflammatory sites. It is a highly glycosylated protein of about 50 kD in monocytes where it is anchored to the plasma membrane by glycosylphosphatidylinositol linkage. The complete coding sequence of the cDNA has been found to encode 335 amino acids including a predicted signal peptide of 22 residues and a hydrophobic C-terminal portion. Mo3 is identical to the human receptor for the urokinase plasminogen activator. UPAR is a useful prognostic marker for biologically aggressive forms of endometrial cancer. PLAUR is located at chromosome 19q13.1-q13.2. The standard product used in this kit is recombinant human uPAR, consisting of 287 amino acids with the molecular mass of 31KDa. Principle of the Assay: The Picokine™ Human PLAUR Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human PLAUR with a 96-well strip plate that is pre-coated with antibody specific for PLAUR. The detection antibody is a biotinylated antibody specific for PLAUR. The capture antibody is polyclonal antibody from goat and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human PLAUR with immunogen: Expression system for standard: NS0; Immunogen sequence: L23-R303. The kit is analytically validated with ready-to-use reagents. To measure Human PLAUR, 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 PLAUR 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 PLAUR in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	465003
NCBI GeneID	5329
UniProt Accession #	Q03405; Q12876; Q15845; Q16887; Q6IB52; Q9BWT0; Q9NYC8; Q9UD69; Q9UEA6; Q9UM92; Q9UMV0; A8K409
Molecular Weight	32,016 Da
NCBI Official Full Name	Urokinase plasminogen activator surface receptor
NCBI Official Synonym Full Names	plasminogen activator, urokinase receptor
NCBI Official Symbol	PLAUR
NCBI Official Synonym Symbols	CD87; UPAR; URKR; U-PAR
NCBI Protein Information	urokinase plasminogen activator surface receptor; monocyte activation antigen Mo3; u-plasminogen activator receptor form 2; urokinase-type plasminogen activator (uPA) receptor
UniProt Protein Name	Urokinase plasminogen activator surface receptor
UniProt Gene Name	PLAUR
UniProt Synonym Gene Names	MO3; UPAR; U-PAR; uPAR
UniProt Entry Name	UPAR_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.