

Datasheet for KOA0326**Human uPAR ELISA Kit****Overview**

Description:	Human uPAR AccuSignal ELISA Kit - KOA0326
Item No.:	KOA0326
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	62.5 pg/ml - 4000 pg/ml

Product Details

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 glycosyl-phosphatidylinositol linkage. The complete coding sequence of the cDNA has been found to encode 419 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. PLAU 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.

Synonyms:	CD87, Monocyte activation antigen Mo3, PLAU, U-PAR, uPAR, UPAR_HUMAN, Urokinase plasminogen activator surface receptor
Detection Kit Type:	ELISA Kit
Detection Range:	62.5 pg/ml - 4000 pg/ml
Sensitivity:	<4 pg/ml

Target Details

Gene Name:	PLAU
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Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: L23-R303
Purity/Specificity:	Natural and recombinant human Upar. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q03405 • NCBI - NP_001005376.1 • GenelD - 5329 • KOA0326 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml human uPAR standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum, plasma(heparin, EDTA) or urine to each empty well. We recommend that each human uPAR standard solution and each sample is measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

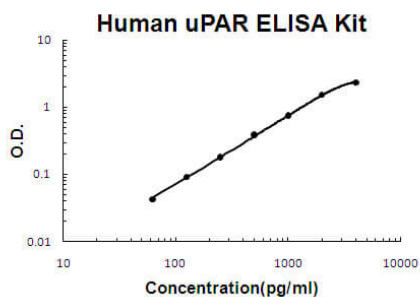
Formulation

Anticoagulant:	Heparin Sodium
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Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiration:	See kit insert for complete instructions.

Images



ELISA

Human uPAR AccuSignal ELISA Kit standard curve. Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <4pg/ml.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.