

Human uPAR ELISA Kit

Catalog No: #EK5229

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Description

Product Name	Human uPAR ELISA Kit
Specificity	Human
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	NSO,L23-R303
Other Names	Urokinase plasminogen activator surface receptor; U-PAR; uPAR; Monocyte activation antigen Mo3; CD87; PLAUR; MO3, UPAR;
Accession No.	Q03405
Uniprot	Q03405
GeneID	5329;
Cell Localization	Cell membrane.Cell projection, invadopodium membrane. Colocalized with FAP (seprase)preferentially at the cell surface of invadopodia membrane in acytoskeleton-, integrin- and vitronectin-dependent manner..

Application Details

sensitivity:4pg mlDetect Range:62.5pg ml-4000pg ml
sample_type:cell culture supernates serum plasma(heparin EDTA) and urine.
capture_antibody:monoclonal antibody from mouse
detection_antibody:polyclonal antibody from goat
gene_name:PLAUR
protein_name:Urokinase plasminogen activator surface receptor
gene_full_name:Urokinase plasminogen activator surface receptor
tissue_specificity: Expressed in neurons of the rolandic area of the brain (at protein level). Expressed in the brain.
sequence_similarities:Contains 3 UPAR Ly6 domains.
tmb_incubation:20-25min
research_category:cardiovascular|blood|fibrinolysis / thrombolysis|immunology|cell type markers|cd|myeloid cells|cancer|invasion/microenvironment|ecm|extracellular matrix|tumor biomarkers|receptors

Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human uPAR

Background

protein_function: Acts as a receptor for urokinase plasminogen activator. Plays a role in localizing and promoting plasmin formation. Mediates the proteolysis-independent signal transduction activation effects of U-PA. It is subject to negative-feedback regulation by U-PA which cleaves it into an inactive form. 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 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 31 kDa.

Note: This product is for in vitro research use only