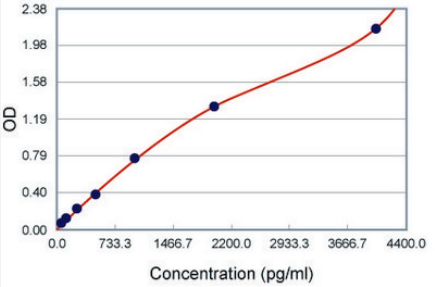
PLAUR (Human) ELISA Kit

Catalog # KA0426 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	PLAUR (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human PLAUR.
Suitable Sample	Body Fluid, Cell Culture Supernatant, Plasma, Serum, Tissue Lysate
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	62.5 to 4000 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

Applications

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- Quantification

Gene Info — PLAUR

Entrez GeneID	5329
Gene Name	PLAUR
Gene Alias	CD87, UPAR, URKR
Gene Description	plasminogen activator, urokinase receptor
Omim ID	173391
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the receptor for urokinase plasminogen activator and, given its role in localizing and promoting plasmin formation, likely influences many normal and pathological processes related to cell-surface plasminogen activation and localized degradation of the extracellular matrix. It binds both the proprotein and mature forms of urokinase plasminogen activator and permits the activation of the receptor-bound pro-enzyme by plasmin. The protein lacks transmembrane or cytoplasmic domains and may be anchored to the plasma membrane by a glycosyl-phosphatidylinositol (GPI) moiety following cleavage of the nascent polypeptide near its carboxy-terminus. However, a soluble protein is also produced in some cell types. Alternative splicing results in multiple transcript variants encoding different isoforms. The proprotein experiences several post-translational cleavage reactions that have not yet been fully defined. [provided by RefSeq
Other Designations	monocyte activation antigen Mo3|u-plasminogen activator receptor form 2

Publication Reference

- Urokinase plasminogen activator receptor: Prognostic biomarker for endometrial cancer.

  Memarzadeh S, Kozak KR, Chang L, Natarajan S, Shintaku P, Reddy ST, Farias-Eisner R.

  PNAS 2002 Aug; 99(16):10647.

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- cDNA for Mo3, a monocyte activation antigen, encodes the human receptor for urokinase plasminogen activator.

  Min HY, Semnani R, Mizukami IF, Watt K, Todd RF 3rd, Liu DY.

  Journal of Immunology 1992 Jun; 148(11):3636.

  Application: Quant, Monkey, COS cells

- Assignment of the urokinase-type plasminogen activator receptor gene (PLAUR) to chromosome 19q13.1-q13.2.

  Borglum AD, Byskov A, Ragno P, Roldan AL, Tripputi P, Cassani G, Dano K, Blasi F, Bolund L, Kruse TA.

  American Journal of Human Genetics 1992 Mar; 50(3):492.

Pathway

- Complement and coagulation cascades

Disease

- Asthma
- Bronchial Hyperreactivity
- Carcinoma
- Cardiovascular Diseases
- Chorioamnionitis
- Diabetes Mellitus
- Edema
- Fetal Membranes
- Genetic Predisposition to Disease
- Kidney Failure
- Lung Neoplasms
- Myocardial Infarction
- Obstetric Labor

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- Ovarian Neoplasms
- Placenta Diseases
- Pre-Eclampsia
- Premature Birth
- Pulmonary Disease
- Scleroderma
- Small Cell Lung Carcinoma
- Vascular Diseases

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