

Human PLAUR/CD87 ELISA Kit | PLAUR/CD87 elisa kit

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CATALOG #
AAA258405

REACTIVITY
Human

PRODUCT SYNONYMS

PLAUR/CD87; Human PLAUR/CD87 ELISA Kit; Chorionic Gonadotropin/CGA ELISA Kit; Huma; plasminogen activator; urokinase receptor; CD87 ELISA Kit; Human; U-PAR ELISA Kit; UPAR ELISA Kit; URKR ELISA Kit; PLAUR/CD87 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human PLAUR/CD87 concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	4.69-300pg/mL
Sensitivity	2.32pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

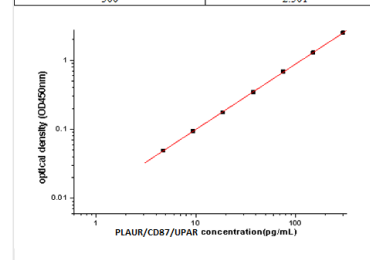
IMAGES

Recombinant human			
IL-1	IL-2	IL-33	IL-10
IL-8	TNF- α	IL-4	IL-6
IFN- γ	MIP-1 β	TIMP-1	TIMP-2
GM-CSF	SCF	PDGF	VEGF

Application Data

This assay recognizes both recombinant and natural Human UPAR. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed. Preparations of the following factors at 5ng/mL in a mid-range recombinant human UPAR control were assayed for interference. No significant interference was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
4.69	0.019
9.38	0.094
18.75	0.176
37.5	0.344
75	0.683
150	1.285
300	2.501



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for PLAUR/CD87 elisa kit	This uPAR/PLAUR ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human uPAR/PLAUR protein in Serum. It contains recombinant Human uPAR/PLAUR, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Urokinase plasminogen activator (uPA) and/or its receptor (uPAR) are essential for metastasis, and overexpression of these molecules is strongly correlated with poor prognosis in a variety of malignant tumours. uPAR and uPA levels in both resected tumor tissue and plasma are of independent prognostic significance for patient survival in several types of human cancer. This system has classically been thought to drive tumor progression by mediating directed extracellular proteolysis on the surface of migrating or invading cells, and intervening with this proteolysis by targeting uPAR has been proposed to represent a novel approach for inhibiting tumor progression. uPAR, also known as PLAUR or CD87, has been implicated in the growth, metastasis, and angiogenesis of several solid and hematologic malignancies. uPAR is a highly glycosylated, 55-60kDa integral membrane protein linked to the plasma membrane by a glycosylphosphatidylinositol (GPI) anchor. It is part of a cell surface system that also consists of the serine protease uPA and several specific inhibitors (plasminogen activator inhibitors 1 and 2). Additionally, the analysis of CD87 (urokinase-type plasminogen activator receptor-uPAR) expression has a potential role in the test or prognostic work-up of several hematological malignancies, particularly acute leukemia and multiple myeloma.
References	Romer J, et al. (2004) The urokinase receptor as a potential target in cancer therapy. Curr Pharm Des. 10(19): 2359-76. Bn MC, et al. (2004) CD87 (urokinase-type plasminogen activator receptor), function and pathology in hematological disorders: a review. Leukemia. 18(3): 394-400. Pillay V, et al. (2007) The urokinase plasminogen activator receptor as a gene therapy target for cancer. Trends Biotechnol. 25(1): 33-9. Mazar AP. (2008) Urokinase plasminogen activator receptor choreographs multiple ligand interactions: implications for tumor progression and therapy. Clin Cancer Res. 14(18): 5649-55.

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/plaur-cd87/258405>