

Human Uroplakin-3a (UPK3A) ELISA Kit

Catalog No: #EK5935



Package Size: #EK5935-1 48T #EK5935-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

| | |
|--------------------|--|
| Product Name | Human Uroplakin-3a (UPK3A) ELISA Kit |
| Brief Description | ELISA Kit |
| Applications | ELISA |
| Species Reactivity | Human (Homo sapiens) |
| Other Names | CTA-268H5.10; MGC119178; UP3A; UPIII; UPIIIA; UPK3; uroplakin III |
| Accession No. | O75631 |
| Uniprot | O75631 |
| GeneID | 7380; |
| Storage | <p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p> |

Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.125 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate UPK3A in samples. An antibody specific for UPK3A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyUPK3A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for UPK3A is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of UPK3A bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Uroplakins (UPK) are integral membrane proteins that form 2-dimensional crystalline arrays termed urothelial plaques that cover more than 90% of the apical urothelial surface. The asymmetric unit membrane (AUM) forms the apical plaques of urothelium and is believed to strengthen the urothelial apical surface and prevent the cells from rupturing during bladder distention. The 4 major conserved integral membrane proteins of the AUM are UPK1A, UPK1B , UPK2, and UPK3A. UPK3A encodes a member of the uroplakin family, a group of transmembrane proteins that form complexes on the apical surface of the bladder epithelium. Mutations in this gene may be associated with renal adysplasia. Alternatively spliced transcript variants have been described.

Note: This product is for in vitro research use only