

Human Uroplakin-3a (UPK3A) ELISA Kit | UPK3A elisa kit

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CATALOG #
AAA330311

REACTIVITY
Human

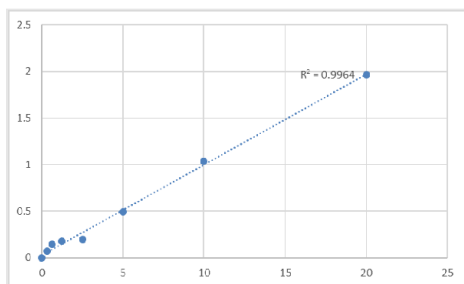
PRODUCT SYNONYMS

Uroplakin-3a (UPK3A); Human Uroplakin-3a (UPK3A) ELISA Kit; UPK3A; CTA-268H5.10; MGC119178; UP3A; UPIII; UPIIIA; UPK3; uroplakinI; UPK3A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Uroplakin-3a (UPK3A) ELISA Kit has high sensitivity and excellent specificity for detection of Human UPK3A. No significant cross-reactivity or interference between Human UPK3A and analogues was observed.
Sequence Length	166
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Uroplakin-3a (UPK3A) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for UPK3A elisa kit	Description: This Human Uroplakin-3a (UPK3A) ELISA Kit 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 any UPK3A 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. Background: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	266456217
NCBI GeneID	7380
NCBI Accession #	NP_001161046.1
NCBI GenBank Nucleotide #	NP_001161046.1
UniProt Accession #	O75631
NCBI Official Full Name	uroplakin-3a isoform 2
NCBI Official Synonym Full Names	uroplakin 3A
NCBI Official Symbol	UPK3A
NCBI Official Synonym Symbols	UP3A; UPK3; UPIII; UPIIIA
NCBI Protein Information	uroplakin-3a
UniProt Protein Name	Uroplakin-3a
UniProt Gene Name	UPK3A
UniProt Synonym Gene Names	UPK3; UP3a; UPIII
UniProt Entry Name	UPK3A_HUMAN

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://www.aaabiotech.com/human-elisa-kits/uroplakin-3a-upk3a/330311>