

Human Envoplakin (EVPL) ELISA Kit | EVPL elisa kit

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CATALOG #
AAA63847

REACTIVITY
Human

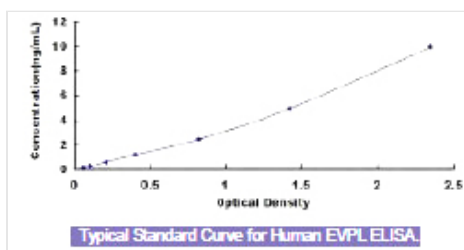
PRODUCT SYNONYMS

Envoplakin (EVPL); Human Envoplakin (EVPL) ELISA Kit; Keratan sulfate proteoglycan keratocan; Keratocan; KTN; SLRR2B; EVPL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of EVPL. No significant cross-reactivity or interference between EVPL and analogues was observed.
Sequence Length	2055
Samples	Serum, plasma, tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.064ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level EVPL were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level EVPL were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EVPL elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of EVPL in human serum, plasma, tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to EVPL. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to EVPL. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain EVPL, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of EVPL in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1002819366
NCBI GeneID	2125
NCBI Accession #	NP_001307676.1
NCBI GenBank Nucleotide #	NM_001320747.1
UniProt Accession #	Q92817; A0AUV5
Molecular Weight	231,604 Da
NCBI Official Full Name	envoplakin isoform 1
NCBI Official Synonym Full Names	envoplakin
NCBI Official Symbol	EVPL
NCBI Official Synonym Symbols	EVPK
NCBI Protein Information	envoplakin
UniProt Protein Name	Envoplakin
UniProt Gene Name	EVPL

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/envoplakin-evpl/63847>