

Human Keratin 40 (KRT40) ELISA Kit | KRT40 elisa kit

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CATALOG #
AAA64767

REACTIVITY
Human

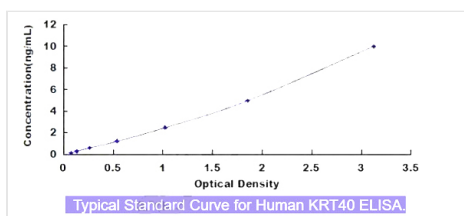
PRODUCT SYNONYMS

Keratin 40 (KRT40); Human Keratin 40 (KRT40) ELISA Kit; KA36; CK-40; K40; Cytokeratin-40; Type I hair keratin Ka36; KRT40 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of KRT40. No significant cross-reactivity or interference between KRT40 and analogues was observed.
Sequence Length	431
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma or other biological fluids
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 KRT40 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 KRT40 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 KRT40 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to KRT40. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to KRT40. 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 KRT40, 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 KRT40 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of KRT40 in human serum, plasma or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	125490370
NCBI GeneID	125115
NCBI Accession #	NP_872303.2
NCBI GenBank Nucleotide #	NM_182497.3
UniProt Accession #	Q6A162; Q6IFU5
Molecular Weight	48,139 Da
NCBI Official Full Name	keratin, type I cytoskeletal 40
NCBI Official Synonym Full Names	keratin 40
NCBI Official Symbol	KRT40
NCBI Official Synonym Symbols	K40; KA36; CK-40
NCBI Protein Information	keratin, type I cytoskeletal 40
UniProt Protein Name	Keratin, type I cytoskeletal 40
UniProt Gene Name	KRT40
UniProt Synonym Gene Names	KA36; CK-40; K40

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.