

Human Keratin 4 (KRT4) ELISA Kit | KRT4 elisa kit

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CATALOG #
AAA65028

REACTIVITY
Human

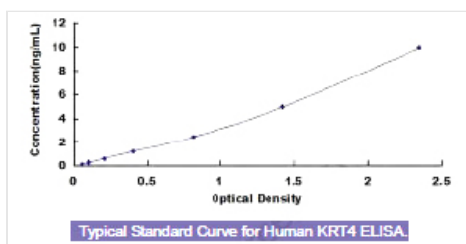
PRODUCT SYNONYMS

Keratin 4 (KRT4); Human Keratin 4 (KRT4) ELISA Kit; CK-4; CYK4; Cytokeratin-4; K4; Keratin; type II cytoskeletal 4; Keratin-4; Type-II keratin Kb4; KRT4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of KRT4. No significant cross-reactivity or interference between KRT4 and analogues was observed.
Sequence Length	534
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.053ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level KRT4 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 KRT4 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 KRT4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of KRT4 in human 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 KRT4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to KRT4. 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 KRT4, 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 KRT4 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 #	82654947
NCBI GeneID	3851
UniProt Accession #	P19013; Q6GTR8; Q96LA7; Q9BTL1; F8VS64
Molecular Weight	57,285 Da
NCBI Official Full Name	Keratin, type II cytoskeletal 4
NCBI Official Synonym Full Names	keratin 4
NCBI Official Symbol	KRT4
NCBI Official Synonym Symbols	K4; CK4; CK-4; CYK4; WSN1
NCBI Protein Information	keratin, type II cytoskeletal 4
UniProt Protein Name	Keratin, type II cytoskeletal 4
UniProt Gene Name	KRT4
UniProt Synonym Gene Names	CYK4; CK-4; K4

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.