

Human Keratin 2 (KRT2) ELISA Kit | KRT2 elisa kit

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CATALOG #
AAA183449

REACTIVITY
Human

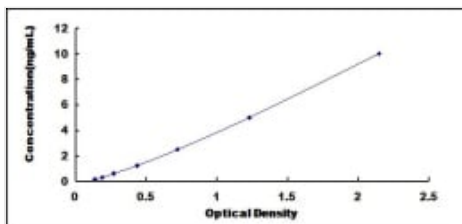
PRODUCT SYNONYMS

Keratin 2 (KRT2); Human Keratin 2 (KRT2) ELISA Kit; KRT2A; CK2; KRT2; Cytokeratin 2; Keratin 2A; Keratin 2E; Epidermal Ichthyosis Bullosa Of Siemens; Keratin; type II cytoskeletal 2 epidermal; Epithelial keratin-2e; KRT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Keratin 2 (KRT2). No significant cross-reactivity or interference between Keratin 2 (KRT2) and analogues was observed.
Sequence Length	639
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.056ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Keratin 2 (KRT2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Keratin 2 (KRT2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KRT2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Keratin 2 (KRT2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Keratin 2 (KRT2). 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 Keratin 2 (KRT2), 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 Keratin 2 (KRT2) 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 #	47132620
NCBI GeneID	3849
NCBI Accession #	NP_000414.2
NCBI GenBank Nucleotide #	NM_000423.2
UniProt Accession #	P35908; Q4VAQ2
Molecular Weight	65,433 Da
NCBI Official Full Name	keratin, type II cytoskeletal 2 epidermal
NCBI Official Synonym Full Names	keratin 2
NCBI Official Symbol	KRT2
NCBI Official Synonym Symbols	K2e; KRTE; CK-2e; KRT2A; KRT2E
NCBI Protein Information	keratin, type II cytoskeletal 2 epidermal
UniProt Protein Name	Keratin, type II cytoskeletal 2 epidermal
UniProt Gene Name	KRT2
UniProt Synonym Gene Names	KRT2A; KRT2E; CK-2e; K2e

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.