

Human Keratin 13 (KRT13) ELISA Kit | KRT13 elisa kit

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CATALOG #
AAA139641

REACTIVITY
Human

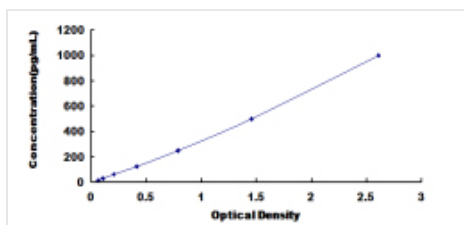
PRODUCT SYNONYMS

Keratin 13 (KRT13); Human Keratin 13 (KRT13) ELISA Kit; CK13; Cytokeratin 13; KRT13 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Keratin 13 (KRT13). No significant cross-reactivity or interference between Keratin 13 (KRT13) and analogues was observed.
Sequence Length	420
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	6.2pg/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 13 (KRT13) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Keratin 13 (KRT13) 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 KRT13 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 13 (KRT13). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Keratin 13 (KRT13). 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 13 (KRT13), 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 13 (KRT13) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for KRT13 elisa kit	Tumor immunity; Infection immunity; Dermatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	131412228
NCBI GeneID	3860
NCBI Accession #	NP_002265.2
NCBI GenBank Nucleotide #	NM_002274.3
UniProt Accession #	P13646; Q53G54; Q6AZK5; Q8N240
Molecular Weight	45,867 Da
NCBI Official Full Name	keratin, type I cytoskeletal 13 isoform b
NCBI Official Synonym Full Names	keratin 13, type I
NCBI Official Symbol	KRT13
NCBI Official Synonym Symbols	K13; CK13; WSN2
NCBI Protein Information	keratin, type I cytoskeletal 13
UniProt Protein Name	Keratin, type I cytoskeletal 13
UniProt Gene Name	KRT13
UniProt Synonym Gene Names	CK-13; K13
UniProt Entry Name	K1C13_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://stage.aaabiotech.com/human-elisa-kits/keratin-13-krt13/139641>