

Human Keratin 33A (KRT33A) ELISA Kit | KRT33A elisa kit

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CATALOG #
AAA65289

REACTIVITY
Human

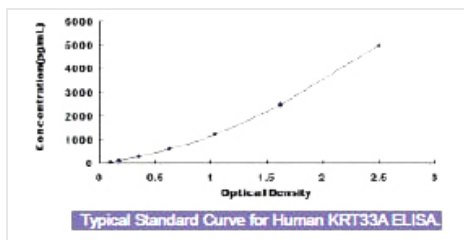
PRODUCT SYNONYMS

Keratin 33A (KRT33A); Human Keratin 33A (KRT33A) ELISA Kit; KRTHA3A; Ha-3I; Krt1-3; K33A; HHA3-I; HKA3A; Keratin; Hair; Acidic 3A; Hard Keratin Type I 3I; type I cuticular Ha3-I; KRT33A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of KRT33A. No significant cross-reactivity or interference between KRT33A and analogues was observed.
Sequence Length	404
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	78.125-5000pg/mL
Sensitivity	29pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level KRT33A 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 KRT33A 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 KRT33A elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of KRT33A in human serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to KRT33A. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to KRT33A. 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 KRT33A, 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 KRT33A 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 #	14917117
NCBI GeneID	3883
NCBI Accession #	NP_004129.2
NCBI GenBank Nucleotide #	NM_004138.3
UniProt Accession #	O76009; Q6NTB9; Q6ZZB9; B2RA87
Molecular Weight	45,940 Da
NCBI Official Full Name	keratin, type I cuticular Ha3-I
NCBI Official Synonym Full Names	keratin 33A
NCBI Official Symbol	KRT33A
NCBI Official Synonym Symbols	HA3I; K33A; Ha-3I; Krt1-3; hHa3-I; KRTHA3A
NCBI Protein Information	keratin, type I cuticular Ha3-I
UniProt Protein Name	Keratin, type I cuticular Ha3-I
UniProt Gene Name	KRT33A
UniProt Synonym Gene Names	HHA3-I; HKA3A; KRTHA3A; K33A

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.