

Human keratin 1 ELISA Kit | KRT1 elisa kit

Human Keratin, type II cytoskeletal 1, KRT1 ELISA Kit

CATALOG #
AAA112399

REACTIVITY
Human

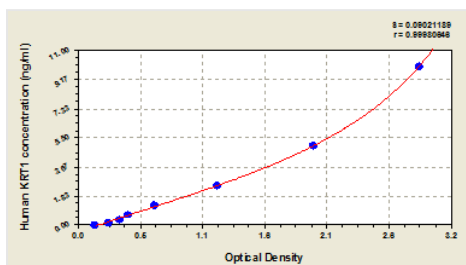
PRODUCT SYNONYMS

keratin 1; Human Keratin; type II cytoskeletal 1; KRT1 ELISA Kit; type II cytoskeletal 1 (KRT1) ELISA kit; CK1; EHK; EHK1; EPPK; K1; KRT1A; NEPPK; cytokeratin 1; epidermolytic hyperkeratosis 1; hair alpha protein; keratin; KRT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human KRT1. No significant cross-reactivity or interference between Human KRT1 and analogues was observed.
Sequence Length	644
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	0.156 ng/ml-10 ng/ml
Sensitivity	0.039 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KRT1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for KRT1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any KRT1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for KRT1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of KRT1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119395750
NCBI GeneID	3848
NCBI Accession #	NP_006112.3
NCBI GenBank Nucleotide #	NM_006121.3
UniProt Accession #	P04264; Q14720; Q6GSJ0; Q9H298; B2RA01
Molecular Weight	66,039 Da
NCBI Official Full Name	keratin, type II cytoskeletal 1
NCBI Official Synonym Full Names	keratin 1
NCBI Official Symbol	KRT1
NCBI Official Synonym Symbols	K1; CK1; EHK; EHK1; EPPK; KRT1A; NEPPK
NCBI Protein Information	keratin, type II cytoskeletal 1; CK-1; cytokeratin 1; cytokeratin-1; 67 kDa cytokeratin; hair alpha protein; type-II keratin Kb1; epidermolytic hyperkeratosis 1
UniProt Protein Name	Keratin, type II cytoskeletal 1
UniProt Gene Name	KRT1
UniProt Synonym Gene Names	KRTA; CK-1; K1
UniProt Entry Name	K2C1_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/krt1-human-elisa-kits/keratin-1/112399>