

Human epidermal keratin (EK) ELISA Kit | EK elisa kit

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CATALOG #
AAA12708

REACTIVITY
Human

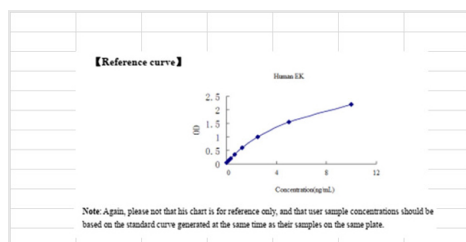
PRODUCT SYNONYMS

epidermal keratin (EK); Human epidermal keratin (EK) ELISA Kit; EK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	No cross-reaction with other factors.
Sequence Length	157
Assay Type	Sandwich
Detection Range	10 ng/mL-0.156 ng/mL
Sensitivity	Up to 0.05 ng/mL
Intra-assay Precision	<= 8%
Inter-assay Precision	<= 12%
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EK elisa kit

Principle of the Assay: As mentioned above, this kit utilizes the Double Antibody Sandwich ELISA technique. The pre-coated antibody is an anti-Human EK monoclonal antibody, while the detection antibody is a biotinylated polyclonal antibody. Samples and biotinylated antibodies are added into ELISA plate wells and washed out with PBS or TBS after their respective additions to the wells. Then Avidin-peroxidase conjugates are added to the wells in after. TMB substrate is used for coloration after the enzyme conjugate has already been thoroughly washed out of the wells by PBS or TBS. TMB reacts to form a blue product from the peroxidase activity, and finally turns to yellow after addition of the stop solution (Color Reagent C). The color intensity and quantity of target analyte in the sample are positively correlated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

177139

NCBI GeneID	3861
Molecular Weight	51,561 Da
NCBI Official Full Name	epidermal type I keratin, partial
NCBI Official Synonym Full Names	keratin 14
NCBI Official Symbol	KRT14
NCBI Official Synonym Symbols	K14; NFJ; CK14; EBS3; EBS4
NCBI Protein Information	keratin, type I cytoskeletal 14; CK-14; keratin-14; cytokeratin 14; cytokeratin-14; keratin 14 (epidermolysis bullosa simplex, Dowling-Meara, Koebner)
UniProt Protein Name	Keratin, type I cytoskeletal 14
UniProt Gene Name	KRT14
UniProt Synonym Gene Names	CK-14; K14
UniProt Entry Name	K1C14_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://www.aaabiotech.com/human-elisa-kits/epidermal-keratin-ek/12708>