

Human Keratocan (KERA) ELISA Kit | KERA elisa kit

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CATALOG #
AAA138672

REACTIVITY
Human

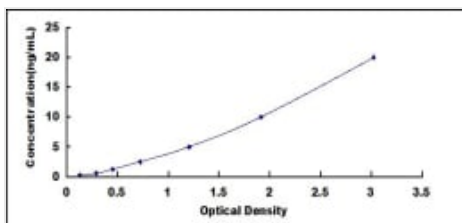
PRODUCT SYNONYMS

Keratocan (KERA); Human Keratocan (KERA) ELISA Kit; CNA2; SLRR2B; Keratocan Proteoglycan; Keratan sulfate proteoglycan keratocan; KERA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Keratocan (KERA). No significant cross-reactivity or interference between Keratocan (KERA) and analogues was observed.
Sequence Length	352
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.131ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Keratocan (KERA) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Keratocan (KERA) 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 KERA 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 Keratocan (KERA). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Keratocan (KERA). 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 Keratocan (KERA), 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 Keratocan (KERA) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for KERA elisa kit	Ophthalmology & Otorhinolaryngology

NCBI AND UNIPROT INFORMATION

NCBI GI #	5901992
NCBI GeneID	11081
NCBI Accession #	NP_008966.1
NCBI GenBank Nucleotide #	NM_007035.3
UniProt Accession #	O60938
Molecular Weight	40,509 Da
NCBI Official Full Name	keratocan
NCBI Official Synonym Full Names	keratocan
NCBI Official Symbol	KERA
NCBI Official Synonym Symbols	KTN; CNA2; SLRR2B
NCBI Protein Information	keratocan
UniProt Protein Name	Keratocan
UniProt Gene Name	KERA
UniProt Synonym Gene Names	SLRR2B; KTN
UniProt Entry Name	KERA_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/keratocan-kera/138672>