

Human Keratan Sulfate (KS) ELISA Kit | KS elisa kit

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CATALOG #
AAA188042

REACTIVITY
Human

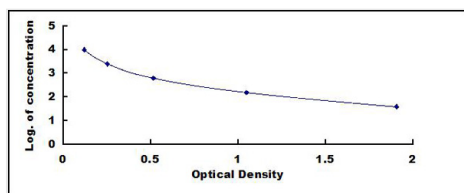
PRODUCT SYNONYMS

Keratan Sulfate (KS); Human Keratan Sulfate (KS) ELISA Kit; Keratosulfate; KS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Keratan Sulfate (KS). No significant cross-reactivity or interference between Keratan Sulfate (KS) and analogues was observed.
Sequence Length	352
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	39.06-10,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 14.94pg/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Keratan Sulfate (KS) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Keratan Sulfate (KS) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ 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 KS elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Keratan Sulfate (KS) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Keratan Sulfate (KS) and unlabeled Keratan Sulfate (KS) (Standards or samples) with the pre-coated antibody specific to Keratan Sulfate (KS). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Keratan Sulfate (KS) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Keratan Sulfate (KS) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5901992
NCBI GeneID	11081
NCBI GenBank Nucleotide #	NP_008966.1
UniProt Accession #	O60938
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/keratan-sulfate-ks/188042>