

Human Dermatan Sulfate Epimerase (DSE) ELISA Kit | DSE elisa kit

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CATALOG #
AAA67372

REACTIVITY
Human

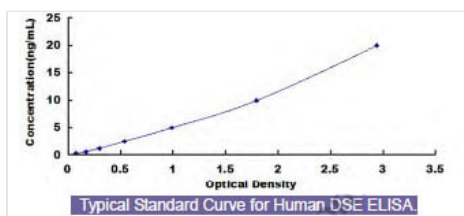
PRODUCT SYNONYMS

Dermatan Sulfate Epimerase (DSE); Human Dermatan Sulfate Epimerase (DSE) ELISA Kit; DSE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DSE. No significant cross-reactivity or interference between DSE and analogues was observed.
Sequence Length	958
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.114ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DSE 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 DSE 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 DSE elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of DSE in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to DSE. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DSE. 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 DSE, 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 DSE 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 #	124494231
NCBI GeneID	29940
NCBI Accession #	NP_001074445.1
NCBI GenBank Nucleotide #	NM_001080976.2
UniProt Accession #	Q9UL01; Q5R3K6
Molecular Weight	109,773 Da
NCBI Official Full Name	dermatan-sulfate epimerase isoform a
NCBI Official Synonym Full Names	dermatan sulfate epimerase
NCBI Official Symbol	DSE
NCBI Official Synonym Symbols	DSEP; DSEPI; SART2; EDSMC2; SART-2; DS-epi1
NCBI Protein Information	dermatan-sulfate epimerase
UniProt Protein Name	Dermatan-sulfate epimerase
UniProt Gene Name	DSE
UniProt Synonym Gene Names	SART2; DS epimerase; SART-2

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/dermatan-sulfate-epimerase-dse/67372>