

Human Sialic Acid Acetyltransferase (SIAE) ELISA Kit | SIAE elisa kit

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CATALOG #
AAA136882

REACTIVITY
Human

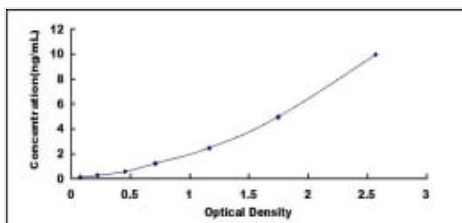
PRODUCT SYNONYMS

Sialic Acid Acetyltransferase (SIAE); Human Sialic Acid Acetyltransferase (SIAE) ELISA Kit; YSG2; CSE-C; LSE; Sialic Acid-Specific Acetyltransferase II; Sialic acid-specific 9-O-acetyltransferase; SIAE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Sialic Acid Acetyltransferase (SIAE). No significant cross-reactivity or interference between Sialic Acid Acetyltransferase (SIAE) and analogues was observed.
Sequence Length	523
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Sialic Acid Acetyltransferase (SIAE) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Sialic Acid Acetyltransferase (SIAE) 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 SIAE 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 Sialic Acid Acetylesterase (SIAE). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Sialic Acid Acetylesterase (SIAE). 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 Sialic Acid Acetylesterase (SIAE), 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 Sialic Acid Acetylesterase (SIAE) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for SIAE elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	119587995
NCBI GeneID	54414
UniProt Accession #	Q9HAT2; Q8IUT9; Q9HAU7; Q9NT71; B3KPB0
Molecular Weight	54,572 Da
NCBI Official Full Name	sialic acid acetylesterase
NCBI Official Synonym Full Names	sialic acid acetylesterase
NCBI Official Symbol	SIAE
NCBI Official Synonym Symbols	LSE; AIS6; CSEC; YSG2; CSE-C
NCBI Protein Information	sialate O-acetylesterase
UniProt Protein Name	Sialate O-acetylesterase
UniProt Gene Name	SIAE
UniProt Synonym Gene Names	YSG2
UniProt Entry Name	SIAE_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/sialic-acid-acetylesterase-siae/136882>