

Human Sialyltransferase 1 (SIAT1) ELISA Kit | SIAT1 elisa kit

Human Sialyltransferase 1 (SIAT1) Mini Samples ELISA Kit

CATALOG # AAA150417	REACTIVITY Human	APPLICATIONS ELISA
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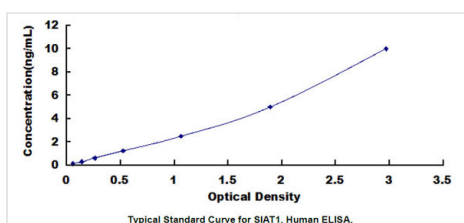
PRODUCT SYNONYMS

Sialyltransferase 1 (SIAT1); Human Sialyltransferase 1 (SIAT1) Mini Samples ELISA Kit; CD75; ST6GAL1; ST6Gal I; ST6Gal; B-cell antigen CD75; Beta-galactoside alpha-2; 6-sialyltransferase 1; ST6 Beta Galactosamide Alpha-2; 6-Sialyltransferase 1; SIAT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SIAT1. No significant cross-reactivity or interference between SIAT1 and analogues was observed.
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Applicable Applications for SIAT1 elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SIAT1 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 SIAT1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 SIAT1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SIAT1 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to SIAT1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to SIAT1. 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 SIAT1, 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 SIAT1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for SIAT1 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506949
NCBI GeneID	6480
NCBI Accession #	NP_003023.1
NCBI GenBank Nucleotide #	NM_003032.2
UniProt Accession #	P15907; A8KA14; D3DNV3
Molecular Weight	46,605 Da
NCBI Official Full Name	beta-galactoside alpha-2,6-sialyltransferase 1 isoform a
NCBI Official Synonym Full Names	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1
NCBI Official Symbol	ST6GAL1
NCBI Official Synonym Symbols	ST6N; SIAT1; ST6Gal
NCBI Protein Information	beta-galactoside alpha-2,6-sialyltransferase 1; ST6Gal I; alpha 2,6-ST 1; B-cell antigen CD75; sialyltransferase 1 (beta-galactoside alpha-2,6-sialyltransferase); CMP-N-acetylneuraminate beta-galactosamide alpha-2,6-sialyltransferase; CMP-N-acetylneuramin
UniProt Protein Name	Beta-galactoside alpha-2,6-sialyltransferase 1
UniProt Gene Name	ST6GAL1
UniProt Synonym Gene Names	SIAT1; Alpha 2,6-ST 1; ST6Gal
UniProt Entry Name	SIAT1_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.