

## Human ST6 beta-galactosamide alpha-2, 6-sialyltransferase 1 ELISA Kit | ST6GAL1 elisa kit

Human Beta-galactoside alpha-2, 6-sialyltransferase 1, ST6GAL1 ELISA Kit

CATALOG #  
**AAA18063**

REACTIVITY  
**Human**

### PRODUCT SYNONYMS

ST6 beta-galactosamide alpha-2; 6-sialyltransferase 1; Human Beta-galactoside alpha-2; 6-sialyltransferase 1; ST6GAL1 ELISA Kit; 6-sialyltransferase 1 (ST6GAL1) ELISA kit; MGC48859; SIAT1; ST6GalI; ST6N; CMP-N-acetylneuraminate beta-galactosamide alpha-2; 6-sialyltransferase; OTTHUMP00000210002; ST6Gal I; alpha 2; 6-ST; sialyltransferase 1 (beta-galactoside alpha-2; 6-sialyl; ST6GAL1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                       |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of human ST6GAL1. No significant cross-reactivity or interference between human ST6GAL1 and analogues was observed. |
| Sequence Length         | 406                                                                                                                                                                                         |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                       |
| Samples                 | Serum, plasma, cell culture supernates, tissue homogenates                                                                                                                                  |
| Detection Range         | 3.9 ng/ml-250 ng/ml                                                                                                                                                                         |
| Sensitivity             | < 0.97 ng/ml                                                                                                                                                                                |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.                                            |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                                     |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                           |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for ST6GAL1 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ST6GAL1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ST6GAL1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ST6GAL1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ST6GAL1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

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-sialyltranferase 1                                                                                                                                                                                                                                                                 |
| NCBI Official Symbol             | ST6GAL1                                                                                                                                                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | ST6N; SIAT1; ST6Gall                                                                                                                                                                                                                                                                                                |
| 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-acetylneuraminate-beta-galactosamide-alpha-2,6-sialyltransferase 1 |
| UniProt Protein Name             | Beta-galactoside alpha-2,6-sialyltransferase 1                                                                                                                                                                                                                                                                      |
| UniProt Gene Name                | ST6GAL1                                                                                                                                                                                                                                                                                                             |
| UniProt Synonym Gene Names       | SIAT1; Alpha 2,6-ST 1; ST6Gall                                                                                                                                                                                                                                                                                      |
| 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.

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Online datasheet: <https://stage.aaabiotech.com/st6gal1-human-elisa-kits/st6-beta-galactosamide-alpha-2-6-sialyltranferase-1/18063>