

## Human ST3GAL4 (CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,3-sialyltransferase 4) ELISA Kit | ST3GAL4 elisa kit

Human ST3GAL4 (CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,3-sialyltransferase 4) ELISA Kit

|                               |                            |
|-------------------------------|----------------------------|
| CATALOG #<br><b>AAA249914</b> | REACTIVITY<br><b>Human</b> |
|-------------------------------|----------------------------|

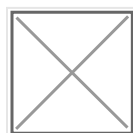
### PRODUCT SYNONYMS

ST3GAL4 (CMP-N-acetylneuraminate-beta-galactosamide-alpha-2; 3-sialyltransferase 4); Human ST3GAL4 (CMP-N-acetylneuraminate-beta-galactosamide-alpha-2; 3-sialyltransferase 4) ELISA Kit; CMP-N-acetylneuraminate-beta-galactosamide-alpha-2; 3-sialyltransferase 4; Alpha 2; 3-ST 4; Beta-galactoside alpha-2; 3-sialyltransferase IV; Gal-NAc6S; Gal-beta-1; 3-GalNAc-alpha-2; 3-sialyltransferase; 4-GlcNAc-alpha-2; N-acetyllactosaminide alpha-2; SAT-3; ST-4; ST3Gal IV; ST3GalIV; ST3GalA.2; STZ; Sialyltransferase 4C; ST3GAL4; SIAT4-C; CGS23; NANTA3; SIAT4C; ST3GAL4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                          |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of ST3GAL4. No significant crossreactivity or interference between ST3GAL4 and analogues was observed. |
| Assay Type              | Sandwich                                                                                                                                                                       |
| Samples                 | Serum, plasma, tissue homogenates and other biological fluids                                                                                                                  |
| Detection Range         | 15.625-1000pg/ml                                                                                                                                                               |
| Sensitivity             | 9.375pg/ml                                                                                                                                                                     |
| Intra-assay Precision   | CV<8%                                                                                                                                                                          |
| Inter-assay Precision   | CV<10%                                                                                                                                                                         |
| Preparation and Storage | Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C                   |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for<br>ST3GAL4 elisa kit | <p>Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.</p> |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 1705565                                                                                                                                                                                                                                                         |
| NCBI GeneID                      | 6484                                                                                                                                                                                                                                                            |
| UniProt Accession #              | Q11206; O60497; Q8N6A6; Q8NFG7; Q96QQ9; A8K6B2                                                                                                                                                                                                                  |
| Molecular Weight                 | 333                                                                                                                                                                                                                                                             |
| NCBI Official Full Name          | CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,3-sialyltransferase 4                                                                                                                                                                                        |
| NCBI Official Synonym Full Names | ST3 beta-galactoside alpha-2,3-sialyltransferase 4                                                                                                                                                                                                              |
| NCBI Official Symbol             | ST3GAL4                                                                                                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | STZ; SAT3; CGS23; SIAT4; NANTA3; SIAT4C; ST3GalV                                                                                                                                                                                                                |
| NCBI Protein Information         | CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,3-sialyltransferase 4; ST-4; SAT-3; SIAT4-C; ST3GalA.2; gal-NAc6S; alpha 2,3-ST 4; alpha 2,3-sialyltransferase IV; alpha-3-N-acetylneuraminyltransferase; beta-galactoside alpha-2,3-sialyltransferase 4; ga |
| UniProt Protein Name             | CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,3-sialyltransferase 4                                                                                                                                                                                        |
| UniProt Gene Name                | ST3GAL4                                                                                                                                                                                                                                                         |
| UniProt Synonym Gene Names       | CGS23; NANTA3; SIAT4C; STZ; Alpha 2,3-ST 4; Beta-galactoside alpha-2,3-sialyltransferase 4; ST3GalV; SIAT4-C                                                                                                                                                    |
| UniProt Entry Name               | SIA4C_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/st3gal4-cmp-n-acetylneuraminate-beta-galactosamide-alpha-23-sialyltransferase-4/249914>