

Anti-ST6GALNAC4 Antibody Picoband® Fluoro594 Conjugated

Catalog Number: A11941-1-Fluoro594

About ST6GALNAC4

ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 4, also known as sialyltransferase 3C (SIAT3-C) or sialyltransferase 7D (SIAT7-D) is a sialyltransferase enzyme that in humans is encoded by the ST6GALNAC4 gene. The protein encoded by this gene is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The encoded protein prefers glycoproteins rather than glycolipids as substrates and shows restricted substrate specificity, utilizing only the trisaccharide sequence Neu5Ac-alpha-2,3-Gal-beta-1,3-GalNAc. In addition, it is involved in the synthesis of ganglioside GD1A from GM1B. The encoded protein is normally found in the Golgi apparatus but can be proteolytically processed to a soluble form. This protein is a member of glycosyltransferase family 29. Transcript variants encoding different isoforms have been found for this gene. Readthrough transcripts exist for this gene and the downstream ST6GALNAC6 gene.

Overview

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| Product Name | Anti-ST6GALNAC4 Antibody Picoband® Fluoro594 Conjugated |
| Reactive Species | Human, Mouse, Rat |
| Application | Recommended applications are based on the parent unconjugated antibody (ELISA, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ N. |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | Q9H4F1 |

Technical Details

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| Immunogen | E.coli-derived human ST6GALNAC4 recombinant protein (Position: D39-T302). |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Fluoro594 Excitation Wavelength: 593 nm |

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| | Emission Wavelength: 618 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

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Anti-ST6GALNAC4 Antibody - Fluoro594

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