



# Rabbit Anti-Human ST6GAL1 monoclonal antibody, clone S112 (CABT-ZB778)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Specificity	It reacts with Human ST6GAL1
Target	ST6GAL1
Immunogen	Recombinant Human ST6GAL1/ST6GAL-I Protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	S112
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) This antibody will detect ST6GAL1 in antibody pair set. [ABPR-ZB358]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human ST6GAL1/ST6GAL-I.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL
Buffer	PBS

<b>Preservative</b>	None
<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	Beta-galactoside alpha-2,6-sialyltransferase 1, also known as B-cell antigen CD75, Sialyltransferase 1, CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,6-sialyltransferase 1, ST6GAL1 and SIAT1, is a single-pass type II membrane protein that belongs to the glycosyltransferase 29 family. Sialyltransferases are key enzymes in the biosynthesis of sialoglycoconjugates that catalyze the transfer of sialic residue from its activated form to an oligosaccharidic acceptor. ST6GAL1/SIAT1 is normally found in the Golgi but can be proteolytically processed to a soluble form. It is involved in the generation of the cell-surface carbohydrate determinants and differentiation antigens HB-6, CDw75, and CD76. $\beta$ -Galactoside $\alpha$ 2,6-sialyltransferases ST6GAL1 and ST6GAL2 are the two unique members of the ST6GAL family described in higher vertebrates. ST6GAL1/SIAT1 transfers sialic acid from the donor of substrate CMP-sialic acid to galactose containing acceptor substrates.
<b>Keywords</b>	ST6GAL1; ST6 beta-galactosamide alpha-2,6-sialyltransferase 1; ST6N; SIAT1

## GENE INFORMATION

<b>Synonyms</b>	ST6GAL1; ST6 beta-galactosamide alpha-2,6-sialyltransferase 1; ST6N; SIAT1; ST6Gall; 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)
<b>Entrez Gene ID</b>	<a href="#">6480</a>
<b>UniProt ID</b>	<a href="#">P15907</a>