

**ST6GAL1 Blocking Peptide (Center)**Synthetic peptide  
Catalog # BP19891c**Specification****ST6GAL1 Blocking Peptide (Center) - Product Information**Primary Accession [P15907](#)  
Other Accession [NP\\_775324.1](#)**ST6GAL1 Blocking Peptide (Center) - Additional Information****Gene ID** 6480**Other Names**Beta-galactoside alpha-2,  
6-sialyltransferase 1, Alpha 2, 6-ST 1, B-cell  
antigen CD75, CMP-N-acetylneuraminic acid  
6-galactosamide-alpha-2,  
6-sialyltransferase 1, ST6Gal I, ST6GalII,  
Sialyltransferase 1, ST6GAL1, SIAT1**Target/Specificity**The synthetic peptide sequence is selected  
from aa 193-206 of HUMAN ST6GAL1**Format**Peptides are lyophilized in a solid powder  
format. Peptides can be reconstituted in  
solution using the appropriate buffer as  
needed.**Storage**Maintain refrigerated at 2-8°C for up to 6  
months. For long term storage store at  
-20°C.**Precautions**This product is for research use only. Not  
for use in diagnostic or therapeutic  
procedures.**ST6GAL1 Blocking Peptide (Center) - Protein Information****Name** ST6GAL1**Synonyms** SIAT1**ST6GAL1 Blocking Peptide (Center) - Background**

This gene encodes a member of glycosyltransferase family 29. The encoded protein is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The protein, which is normally found in the Golgi but can be proteolytically processed to a soluble form, is involved in the generation of the cell-surface carbohydrate determinants and differentiation antigens HB-6, CD75, and CD76. This gene has been incorrectly referred to as CD75. Three transcript variants encoding two different isoforms have been described.

**ST6GAL1 Blocking Peptide (Center) - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :  
Mondal, S., et al. Leuk. Res. 34(4):463-470(2010)  
Lee, M., et al. Oncol. Rep. 23(3):757-761(2010)  
Daly, A.K., et al. Nat. Genet. 41(7):816-819(2009)  
Costa-Nogueira, C., et al. BMC Cancer 9, 431 (2009) :

**Function**

Transfers sialic acid from CMP-sialic acid to galactose- containing acceptor substrates.

**Cellular Location**

Golgi apparatus, Golgi stack membrane;  
Single-pass type II membrane protein.  
Secreted. Note=Membrane-bound form in trans cisternae of Golgi. Secreted into the body fluid

**ST6GAL1 Blocking Peptide (Center) -  
Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)