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# SIA8C Antibody (C-term) Blocking peptide

**Synthetic peptide**
**Catalog # BP5596b**

## Specification

### SIA8C Antibody (C-term) Blocking peptide - Product Information

| | |
|---|---|
| Primary Accession | O43173 |
| Other Accession | NP_056963.2 |

### SIA8C Antibody (C-term) Blocking peptide - Additional Information

**Gene ID** 51046

**Other Names**
Sia-alpha-2, 3-Gal-beta-1, 4-GlcNAc-R:alpha 2, 8-sialyltransferase, 2499-, Alpha-2, 8-sialyltransferase 8C, Alpha-2, 8-sialyltransferase III, ST8 alpha-N-acetyl-neuraminide alpha-2, 8-sialyltransferase 3, Sialyltransferase 8C, SIAT8-C, Sialyltransferase St8Sia III, ST8SiaIII, ST8SIA3, SIAT8C

**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.

### SIA8C Antibody (C-term) Blocking peptide - Protein Information

**Name** ST8SIA3

**Synonyms** SIAT8C

**Function**
Catalyzes the transfer of sialic acid from a CMP-linked sialic acid donor onto the terminal sialic acid of an acceptor through alpha-2,8-linkages. Is active with alpha-2,3-linked, alpha-2,6-linked and alpha-2,8-linked sialic acid of N-linked oligosaccharides of glycoproteins and glycolipids. Displays preference for substrates with alpha-2,3-linked terminal sialic acid. It can form polysialic acid in vitro directly on alpha-2,3-, alpha-2,6-, or alpha-2,8-linked sialic acid.

**Cellular Location**
Golgi apparatus membrane; Single- pass type II membrane protein

**Tissue Location**
Expressed in fetal and adult brain and fetal liver.

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## SIA8C Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

## SIA8C Antibody (C-term) Blocking peptide - Images

## SIA8C Antibody (C-term) Blocking peptide - Background

ST8SIA3 belongs to a family of sialyltransferases thatform sialyl-alpha-2,8-sialyl-R linkages at the nonreducing terminiof glycoconjugates (Lee et al., 1998 [PubMed 9826427]).

## SIA8C Antibody (C-term) Blocking peptide - References

Fellay, J., et al. PLoS Genet. 5 (12), E1000791 (2009) :Kim, S.J., et al. Biochem. Biophys. Res. Commun. 344(4):1057-1064(2006)Angata, K., et al. J. Biol. Chem. 275(24):18594-18601(2000)Lee, Y.C., et al. Arch. Biochem. Biophys. 360(1):41-46(1998)Zeng, G., et al. Gene 187(1):131-134(1997)