

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



GnT α 4 (H65) Peptide

Cat No.: BS3069P

Background

Alpha 1,4-N-acetylglucosaminyltransferase (α 4Gn-T) mediates the biosynthesis of mucin type glycoprotein (O-glycan). α 4Gn-T acts as the key enzyme for the formation of the unique glycan GlcNAc α 1-4Gal β 1-R, and most efficiently transfers N-acetylglucosamine (GlcNAc) to core 2 branched O-glycans. α 4Gn-T is a single-pass type II membrane protein associated with the Golgi apparatus and contains the conserved DXD motif involved in catalytic activity. It is expressed in stomach and pancreas, as well as in gastric cancer cells. α 4Gn-T is not expressed in peripheral blood cells, making it a useful biomarker for pancreatic cancer. α 4Gn-T and Mucin 6 expression is upregulated in the gastric mucosa of H. pylori infected patients, which suggest the involvement of α 4Gn-T in defense against H. pylori infection.

Swiss-Prot

Q9UNA3

Applications

Blocking

Specificity

This peptide can be used with studies using BS3069 GnT α 4 (H65) pAb.

Purification & Purity

Synthetic peptide GnT α 4 (H65). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.