

## Selected references for Carbo-Free™ Blocking Solution:

Bi J, et al. 2013. Basigin null mutant male mice are sterile and exhibit impaired interactions between germ cells and Sertoli cells. *Dev. Biol.* 380:145-56. doi: 10.1016/j.ydbio.2013.05.023

Bull C, et al. 2013. Targeting aberrant sialylation in cancer cells using a fluorinated sialic acid analog impairs adhesion, migration, and *in vivo* tumor growth. *Mol. Cancer. Ther.* 12(10):1935-46. doi: 10.1158/1535-7163.MCT-13-0279.

Gupta A, et al. 2013. Loss of anterior gradient 2 (Agr2) expression results in hyperplasia and defective lineage maturation in the murine stomach. *J. Biol. Chem.* In Press. doi: 10.1074/jbc.M112.433086

Kurniyati K, et al. 2013. A surface-exposed neuraminidase affects complement resistance and virulence of the oral spirochaete *Treponema denticola*. *Mol. Microbiol.* 89(5):842-56. doi: 10.1111/mmi.12311

Liu Z, et al. 2013. Intravenous injection of oncolytic picornavirus SVV-001 prolongs animal survival in a panel of primary tumor-based orthotopic xenograft mouse models of pediatric glioma. *Neuro-Oncol.* 15(9):1173-85. doi: 10.1093/neuonc/not065

Nagata Y, et al. 2013. RNAi suppression of  $\beta$ -N-acetylglucosaminidase (BmFDL) for complex-type N-linked glycan synthesis in cultured silkworm cells. *Biotechnol Lett.* 35:1009-16. doi: 10.1007/s10529-013-1183-9

Nollau P, et al. 2013. Protein domain histochemistry (PDH): Binding of the carbohydrate recognition domain (CRD) of recombinant human glycoreceptor CLEC10A (CD301) to formalin-fixed, paraffin-embedded breast cancer tissues. *J Histochem Cytochem.* 61(3):199-205. Doi: 10.1369/0022155412474823

Oaks M et al. 2013. Autoantibodies targeting tumor-associated antigens in metastatic cancer; Sialated IgGs as candidate anti-inflammatory antibodies. *Oncolmmunol.* 2(6):e24841.

Yang G, et al. 2013. Selective isolation and analysis of glycoprotein fractions and their glycomes from hepatocellular carcinoma sera. *Proteomics.* 13:1481-98. doi: 10.1002/pmic.201200259

Anthony SJ, et al. 2012. Emergence of fatal avian influenza in New England harbor seals. *mBio.* 3(4):e00166-12. doi:10.1128/mBio.00166-12.

Fan J, et al. 2012. N-acetylglucosaminyltransferase IVa regulates metastatic

potential of mouse hepatocarcinoma cells through glycosylation of CD147. *Glycoconj. J.* 29(5-6):323-34. doi:10.1007/s10719-012-9414-1.

Lecours M-P, et al. 2012. Sialylation of *Streptococcus suis* serotype 2 is essential for capsule expression but is not responsible for the main capsular epitope. *Microbes and Infection.* doi:10.1016/j.micinf.2012.03.008.

Li H. et al. 2012. Differential fucosyltransferase IV expression in squamous carcinoma cells is regulated by promoter methylation. *Cell. Mol. Biol. Lett.* 17(2):206-16 doi: 10.2478/s11658-012-0003-x

Kakani S, et al. 2012. The Gne M712T mouse as a model for human glomerulopathy. *Am. J. Pathol.* 180:1431-40.

Käsermann F, et al. 2012. Analysis and functional consequences of increased Fab-sialylation of intravenous immunoglobulin (IVIg) after lectin fractionation. *PLoS ONE.* 7(6): e37243. doi:10.1371/journal.pone.0037243.

Niethamer TK, et al. 2012. Oral monosaccharide therapies to reverse renal and muscle hyposialylation in a mouse model of *GNE* myopathy. *Mol. Genet. Metab.* 107(4):748-55. Doi: 10.1016/j.ymgme.2012.10.011

Zhang P. et al. 2012. Identification of functional elements of the GDP-fucose transporter SLC35C1 using a novel CHO mutant. *Glycobiol.* doi:10.1093/glycob/cws064.

Bell CL, et al. 2011. The AAV9 receptor and its modification to improve in vivo lung gene transfer in mice. *J. Clin. Invest.* 121(6):2427-35.

Comunale MA, et al. 2011. Novel changes in glycosylation of serum Apo-J in patients with hepatocellular carcinoma. *Cancer Epidemiol. Biomarkers Prev.* 20(6):1222-9.

Dutt S, et al. 2011. Versican V0 and V1 direct the growth of peripheral axons in the developing chick hindlimb. *J. Neurosci.* 31(14):5262-70.

Hafez SA, et al. 2011. Histological and lectin histochemical characterization of the efferent ductules in the dromedary (*Camelus dromedarius*). *J. Vet. Anat.* 4(1):33-49.

Hafez SA, et al. 2011. Histological and lectin histochemical characterization of the epididymal duct in the dromedary (*Camelus dromedarius*). *J. Vet. Anat.* 4(1):51-67.

Jain P, et al. 2011. An NGF mimetic, MIM-D3, stimulates conjunctival cell glycoconjugate secretion and demonstrates therapeutic efficacy in a rat model of

dry eye. *Exp. Eye Res.* In Press. doi:10.1016/j.exer.2011.06.014.

Mamedov T and Yusibov V. 2011. Green algae *Chlamydomonas reinhardtii* possess endogenous sialylated N-glycans. *FEBS Open Bio* 1: 15-22.

Margraf-Schonfeld S, et al. 2011. Glycosylation affects ligand binding and function of the activating natural killer cell receptor 2B4 (CD244) protein. *J. Biol. Chem.* 286(27):24142-49.

Maszczyk-Seneczko D, et al. 2011. Comparative analysis of involvement of UGT1 and UGT2 splice variants of UDP-galactose transporter in glycosylation of macromolecules in MDCK and CHO cell lines. *Glycoconj. J.* 28:481-92.

Maszczyk-Seneczko D, et al. 2011. Overexpression of UDP-GlcNAc transporter partially corrects galactosylation defect caused by UDP-Gal transporter mutation. *FEBS Letters.* 585:3090-94.

Maszczyk-Seneczko D, et al. 2011. Subcellular localization on UDP-GlcNAc, UDP-Gal and SLC35B4 transporters. *58(3):413-19.*

Ramos I, et al. 2011. Effects of receptor binding specificity of Avian Influenza Virus on the human innate immune response. *J. Virol.* 85(9):4421-31.

Shen C-I, et al. 2011. The infection of chicken tracheal epithelial cells with a H6N1 Avian Influenza Virus. *PLoS ONE* 6(5):e18894. doi:10.1371/journal.pone.0018894.

Stansell E, et al. 2011. Simian Immunodeficiency Virus from the Sooty Mangabey and Rhesus Macaque is modified with O-linked carbohydrate. *J. Virol.* 85(1):582-95.

Watanabe Y, et al. 2011. Acquisition of human-type receptor binding specificity by new H5N1 influenza virus sublineages during their emergence in birds in Egypt. *PLoS Pathog.* 7(5):e1002068. doi:10.1371/journal.ppat.1002068.

Miyataka H, Nakamura T, Nishi N. 2010. Tissue-specific expression of fucosylated glycosphingolipid species in rat prostrate. *Biosci. Biotechnol. Biochem.* 74(6):1261-6.

Stansell E and Desrosiers RC. 2010. Fundamental difference in the content of high-mannose carbohydrate in HIV-1 and HIV-2 lineages. *J. Virol.* Doi:10.1128/JVI.00996-10.

Xu Q, Wang W, Cheng X, Zengel J and Jin H. 2010. Influenza H1N1 A/Solomon Island/3/06 virus receptor binding specificity correlates with virus pathogenicity, antigenicity and immunogenicity in ferrets. *J Virol.* 84(10):4936-45.

