

GLYcoDiag is a French company specialized in **glycobiology and glycoanalysis services and products** for the biotech, pharma, veterinary, cosmetic and diagnostic industries. Our unique experience provides the services and products needed to speed up your projects. **Visit our website for more information www.glycodiag.com**

GLYcoDiag's 2021 Products Catalogue

The glycosciences products catalogue 2021 of GLYcoDiag is now available to download on our website at: <https://www.glycodiag.com/wp-content/uploads/2021/01/Catalogue-2021.pdf>

Have a look on our new products list:

- Sialylated neoglycoproteins (Neo3'SL and Neo6'SL).
- Galili neoglycoprotein (NeoGaliliL)
- LEctPROFILE kits

Download the GlycoDiag's 2021 products catalogue at XXXXX.

New Products: Sialylated Neoglycoproteins α 2,3 / α 2,6

New neoglycoproteins, functionalized with 6'sialyllactose (Neo6'SL) or 3'sialyllactose (Neo3'SL), now are available in the labeled or unlabeled form. They were validated thanks to the GLYcoPROFILE® technology.

These neoglycoproteins show high specificity for α 2,6 sialyllactose specific lectin (lectin 1) and α 2,3 sialyllactose specific lectin (lectin 2) respectively (See Figure 1).

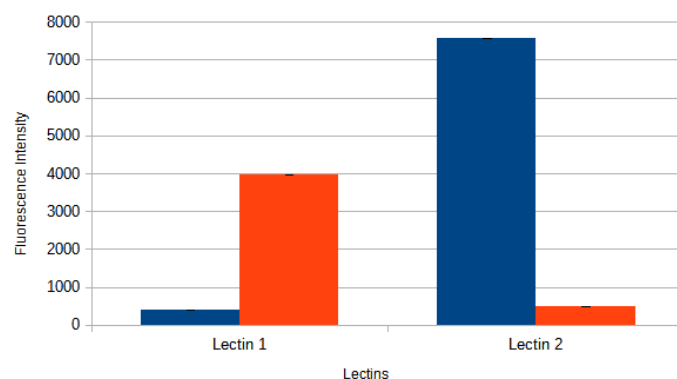
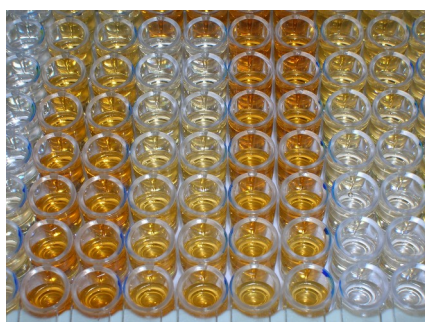


Figure 1. Selectivity of 3'sialyllactose (Neo3'SL, blue) and 6'sialyllactose (Neo6'SL, red) neoglycoproteins.

Don't forget our α 2,6/ α 2,3 LEctPROFILE kit for your research needs. With the α 2,6/ α 2,3 LEctPROFILE kit in your hands you can easily perform directly in your lab the characterisation of α 2,6/ α 2,3 sialic acid glycans ratio on your target glycoproteins.

LEctPROFILE kit enables a fast measurement (below 3 h) and are easily accessible to all. Only a fluorescence microplate reader is required for the read out.

Visit our website to have a look at the complete list of neoglycoproteins and LEctPROFILE kits available.

GLYcoDiag's last publications

GLYcoPROFILE used to evaluate sialidases ligands efficiency

C. Assailly, C. Bridot, A. Saumonneau, P. Lottin, B. Roubinet, E-M. Krammer, F. François, F. Vena, L. Landemarre, D. Alvarez Dorta, D. Deniaud, C. Grandjean, C. Tellier, S. Pascual, V. Montembault, L. Fontaine, F. Daligault, J. Bouckaert, S. G. Gouin. *Polymers of a transition-state sialyl cation strongly inhibit bacterial sialidases ChemRxiv*, **2020**, DOI: 10.26434/chemrxiv.13013291.v1

GLYcoPROFILE technology was recently used in bacterial sialidases studies to screen a large range of inhibitors. Through this method, polyvalent compounds based on the transition state sialyl cation 2-deoxy-2,3-didehydro-N-acetylneuraminic (DANA) have shown high affinity for the sialidase from *S.pneumoniae* (NanaA) from micromalar to picomalar range.