

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**

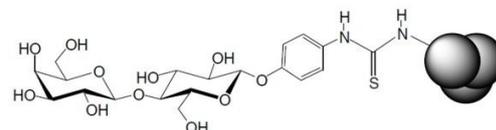
Focus on Neoglycoproteins

Neoglycoproteins (glycosylated bovine serum albumin (BSA) molecules) are known as “**amplifiers**” of **carbohydrates-proteins interactions** and they are used to decipher glycoconjugates, carbohydrates-binding proteins and more generally proteins-carbohydrates interactions.

Neoglycoproteins are used in numbers of methods (e.g. histochemistry, ELISA assays, blotting assays, affinity chromatography, cytochemistry by flow cytometry, confocal or electron microscopy).

Neoglycoproteins can be used for research purposes to:

- Identify lectins or lectin-like proteins.
- Purify lectins or other carbohydrates-binding proteins.
- Design new diagnostic tools.
- Discover biomarkers.
- Target drugs.
- Trigger immune response against carbohydrate moieties.



Visit our website to know more about neoglycoproteins

New product !!! Galactofuranose Neoglycoprotein (NeoGalf)

Galactofuranose (Galf) Neoglycoprotein was recently developed at GLYcoDiag through our standardized procedure of neoglycoprotein synthesis and was validated in the GLYcoPROFILE® technology. Specific interaction with **Intelectin-1** (Omentin-1, ITLN-1), a lectin that recognised notably galactofuranose moieties, was highlighted with our NeoGalf compared to the galactose and fucose neoglycoprotein (Neo α Gal and Neo α Fuc) (*Figure 1*).

NeoGalf is available at 1 mg in labeled or unlabeled forms.

NeoGalf is only commercially available at GLYcoDiag and corresponding distributor (Clinisciences).

Learn More about galactofuranose uses and applications:

Senecar, M., Lafite, P., Eliseeva, S. V., Petoud, S., Landemarre, L., Daniellou, R., *Int. J. Mol. Sci.* **2020**, *21*, 3465.

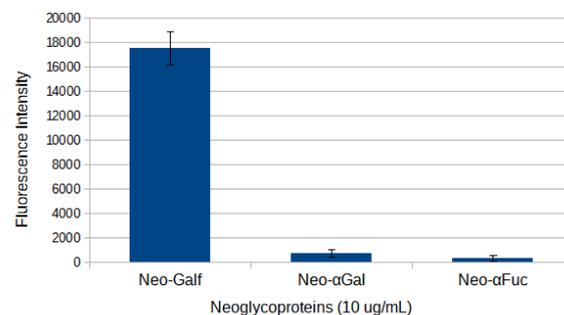
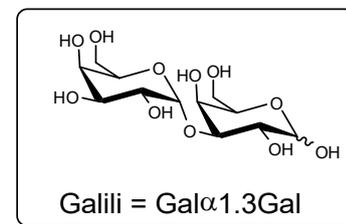


Figure 1. Interactions of Neoglycoproteins with Intelectin

New product !!! Galili Neoglycoprotein (NeoGalili)

Galili Neoglycoprotein was produced through our standardized procedure of neoglycoprotein synthesis and validated through the GLYcoPROFILE® technology. Specific interactions with MOA, GSL-Ib4 and RPL-Gal2 lectins were highlighted.



Ask us for a quotation

GLYcoDiag's last publications

- GLYcoPROFILE® used for evaluation of a β -(1,3)-Glucan effect on keratinocytes (NHEK) and fibroblasts (HDFa)

Ozanne, H., Toumi, H., Roubinet, B., Landemarre, L., Lespesailles, E., Daniellou, R., Cesaro, A., *Laminarin Effects, a β -(1,3)-Glucan, on Skin Cell Inflammation and Oxidation, Cosmetics*, **2020**, *7*, 66.

GLYcoPROFILE was recently used to evaluate on cutaneous cells (i.e. fibroblasts (HDFa) and keratinocytes (NHEK) the effect of Laminarin, a β -(1,3)-glucan from the seaweed *Laminaria digitata*, polysaccharide which provides anti-inflammatory and anti-oxidative properties. This study is another example of the powerful interest to use the GLYcoPROFILE technology to investigate biological properties of glycomolecules.