Ludger™

G14 Glycan

Cat. No. CAB-GLC14-x (where x denotes pack size)

Structure: **(Glc α1-4)$_{14}$ – 2AB**

Description: Linear oligosaccharide comprising of fourteen alpha 1-4 linked glucose units. Glycan is fluorescently labeled by reductive amination with a 2-aminobenzamide dye (2AB).

Sources : Amylose.

Form: Dry. Dried by centrifugal evaporation from an aqueous solution.

Molecular Weight: 2082.6 Da. (Flies as a sodiated adduct in a mass spectrometer, mass 2105.6).

Purity: > 98% pure as assessed by HPLC.

Storage: Refrigerate (-20^{o}C) both before and after dissolution. This product is stable for at least 2 years as supplied.

Shipping: The product can be shipped at ambient when dry. After dissolution, ship on dry ice.

Handling: Allow the unopened vial to reach ambient temperature and tap unopened on a solid surface to ensure that most of the lyophilized material is at the bottom of the vial. Gently remove the cap, add the desired volume of reconstitution medium, re-cap and mix thoroughly to bring all the oligosaccharide into solution. For maximal recovery of oligosaccharide, ensure that the cap lining is also rinsed and centrifuge the reconstituted vial briefly before use. Ensure that any glass, plasticware or solvents used are free of glycosidases and environmental carbohydrates.

Safety: This product is non-hazardous and has been purified from natural sources certified to be free of all hazardous material including pathogenic biological agents.
For research use only. Not for human or drug use.

Warranties and liabilities

Ludger warrants that the above product conforms to the attached analytical documents. Should the product fail for reasons other than through misuse Ludger will, at its option, replace free of charge or refund the purchase price. This warranty is exclusive and Ludger makes no other warrants, expressed or implied, including any implied conditions or warranties of merchantability or fitness for any particular purpose.
Ludger shall not be liable for any incidental, consequential or contingent damages.

This product is intended for *in vitro* research only.

Revised: 14-June-2004

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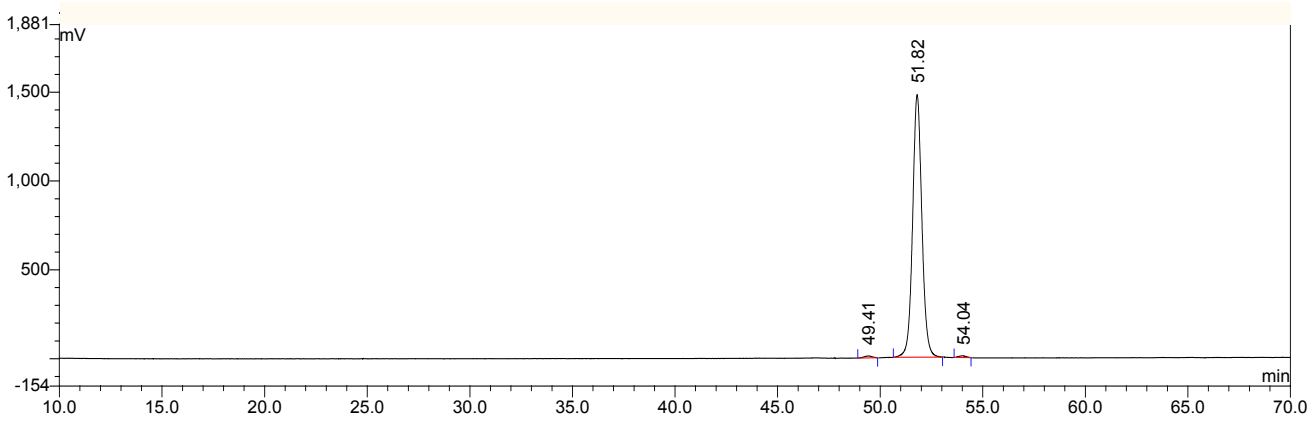
Certificate of Analysis

2-AB (2-aminobenzamide) Labeled G14

Cat. # : CAB-GLC14-1	Lot # : A46F-02	Size : 1 mg
Cat. # : CAB-GLC14-0.5	Lot # : A46F-02	Size : 0.5 mg

Purity: > 98% pure as assessed by HPLC (see Fig 1)

Figure 1 : LudgerSep N1 HPLC Column (Cat. No. LS-N1-4.6x250) profile of CAB-GLC14-1 Lot # A46F-02



Column: LudgerSep N1 Flow: 0.4 ml/min

Solvent A: 100 % acetonitrile Solvent B: 50 mM ammonium formate pH 4.4 Temperature: 40 °C.

Gradient: 0-75 min from 35-65 % B, 75-80 min from 65-100 % B, 80-83 min 100 % B, 83-85 min from 100-35 % B, 85-115 min 35 % B.

Detector: Jasco FP920. Gain setting 100, attenuation setting 1, excitation wavelength 360 nm, bandwidth 18 nm, emission wavelength 425 nm, bandwidth 18 nm.

Sample: CAB-GLC14-1

