

Certificate of Analysis

LudgerPure™ 2AB Labeled C1S(3)1 Glycan

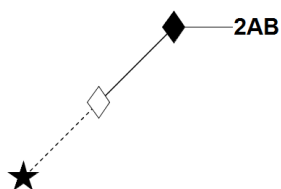
Cat. #: CAB-C1S(3)1-02

Batch: B39K-01

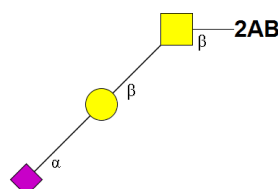
Size: approx. 50 pmol

Expiry Date: 12 Mar 2023

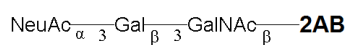
Glycan Structure



Oxford Notation



CFG Notation



Text Notation

Purity: 97.1% 2AB labeled C1S(3)1 glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 60.5 pmols C1S(3)1 glycan – Test performed 12 Mar 2018.

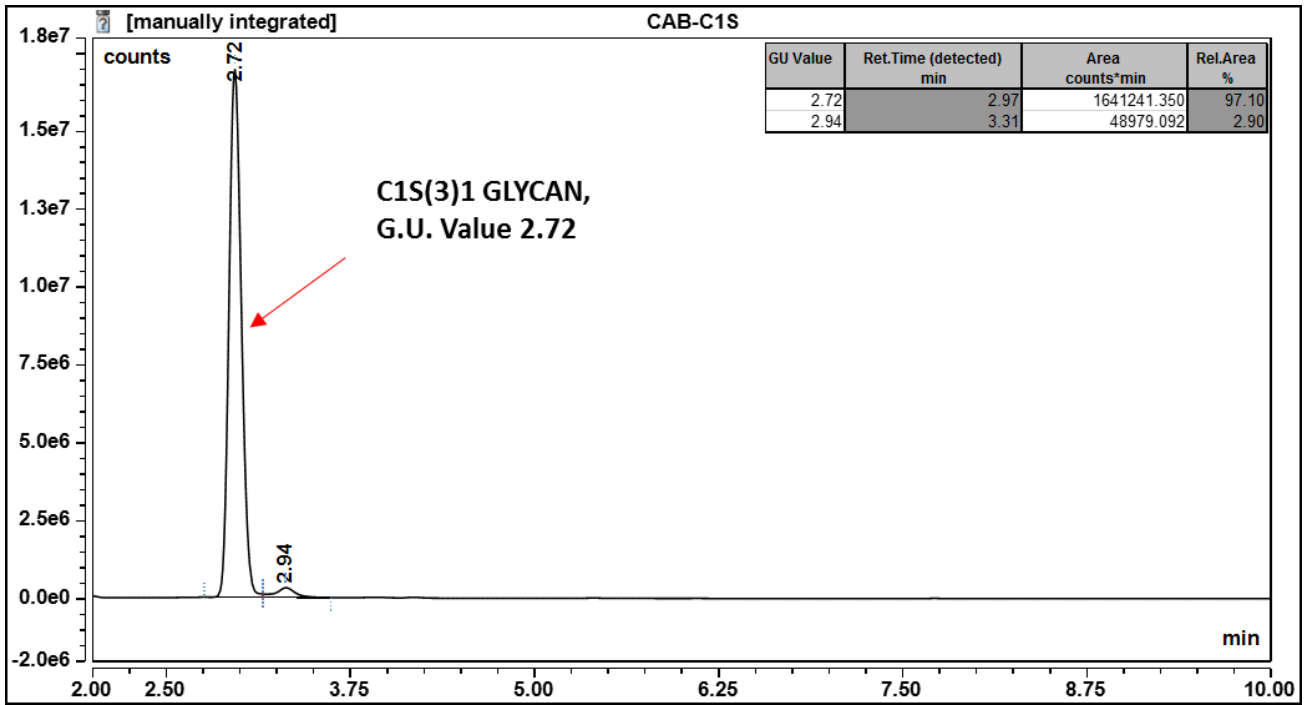


Figure 1: HILIC HPLC profile of 2AB labelled C1S(3)1 glycan (see method conditions below) (Cat. #: CAB- C1S(3)1 -02, Batch B39K-01).

* C1S(3)1 glycan structure identified by MALDI, MS & HPLC (GU value comparison to GlycoBase). This structure is drawn according to the scheme developed by Oxford-Dublin Glycobiology Laboratory (see Fig 2).

2AB C1S(3)1 peak seen above, eluted at 2.97 minutes, under the following conditions:

Column: Waters BEH Glycan 1.7µm column (150mm)

Flow: 0.56mL/min.

Temperature: 60 °C

Solvent A: 50mM ammonium formate pH 4.4 **Solvent B:** 100 % acetonitrile

Gradient:

Time (min)	%B
0.0	78.0
1.5	78.0
24.8	58.0
25.8	40.0
25.9	78.0
31.0	78.0

Detector: Fluorescence

Excitation wavelength: 250 nm

Emission wavelength: 428 nm

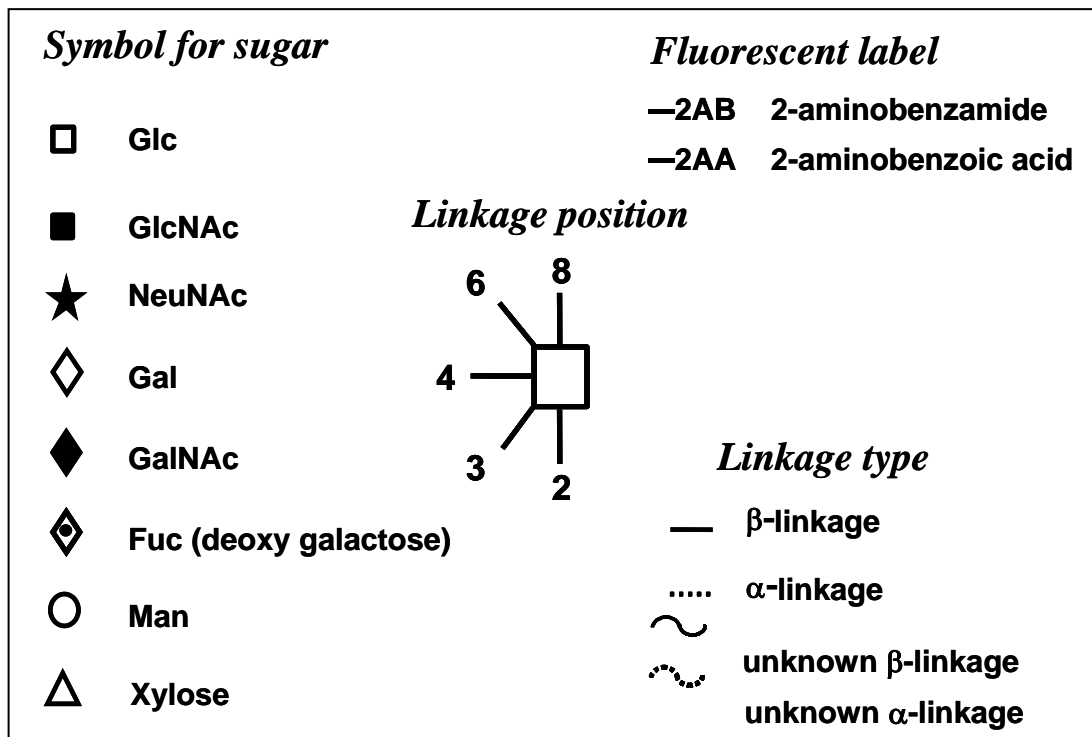


Figure 2: GlycoBase glycan structure key.