

Certificate of Analysis

LudgerPure™ 2AB Labeled A1 Glycan

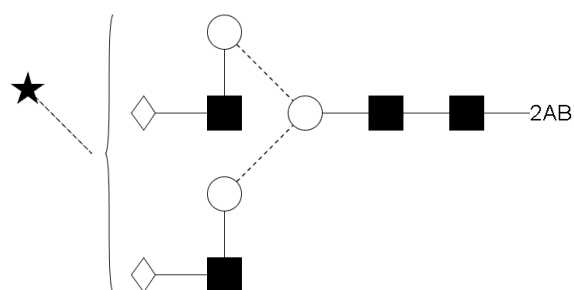
Cat. #: CAB-A1-01
 Size: approx. 100 pmol

Batch: B21G-01
 Expiry Date: 01 Jun 2022

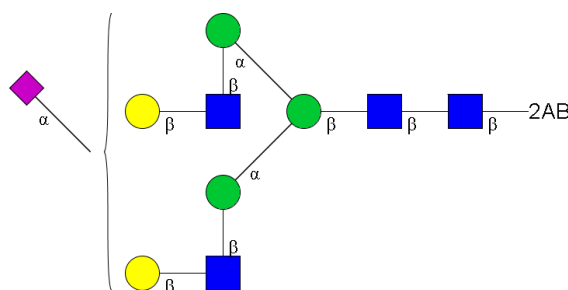
Alternative Names

A2G2S1, SG1

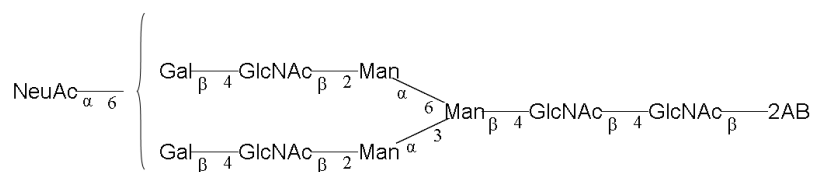
Structure



Oxford Notation



CFG Notation



Text Notation

Purity: 94.4% 2AB labeled A1 glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 113 pmols A1 glycan – Test performed 06 Jun 2017.

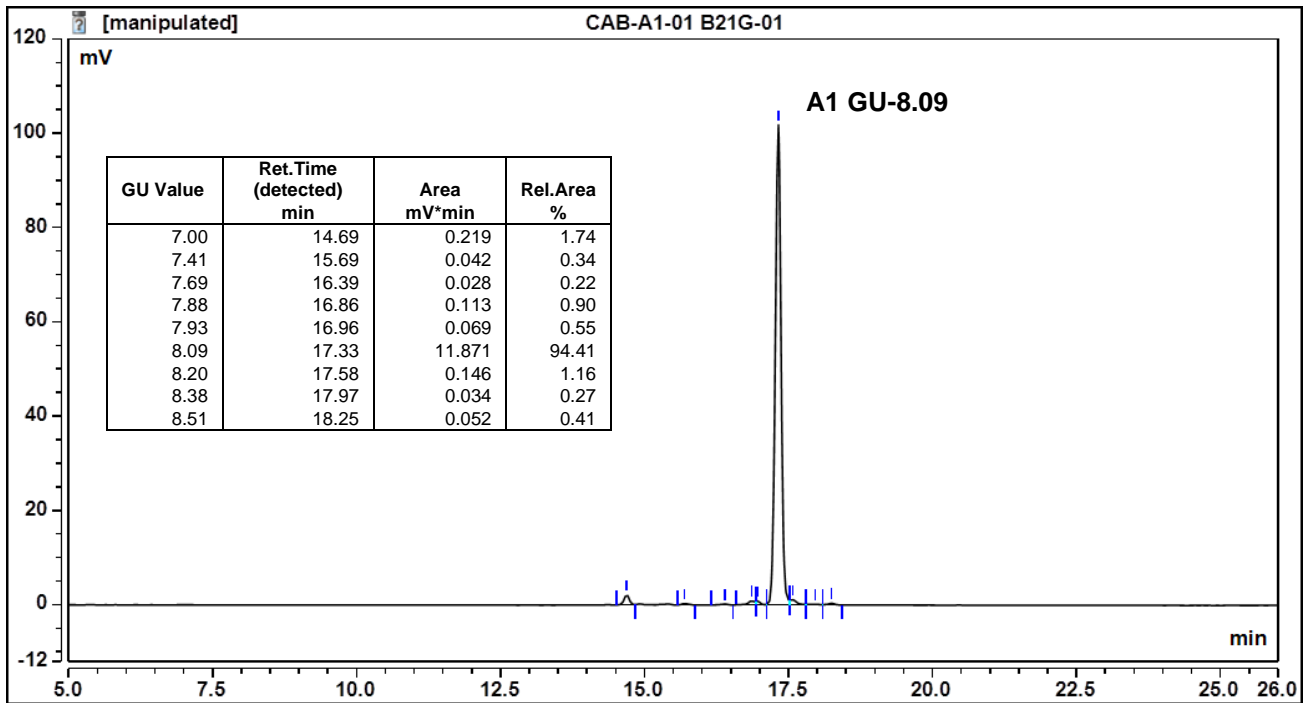


Figure 1: HILIC HPLC profile of 2AB labelled A1 glycan (see method conditions below)

(Cat. #: CAB-A1-01, Batch B21G-01).

**A1 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).*

2-AB A1 peak seen above, eluted at 17.33 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: Dionex FLD-3000

Excitation wavelength: 250 nm

Emission wavelength: 428 nm

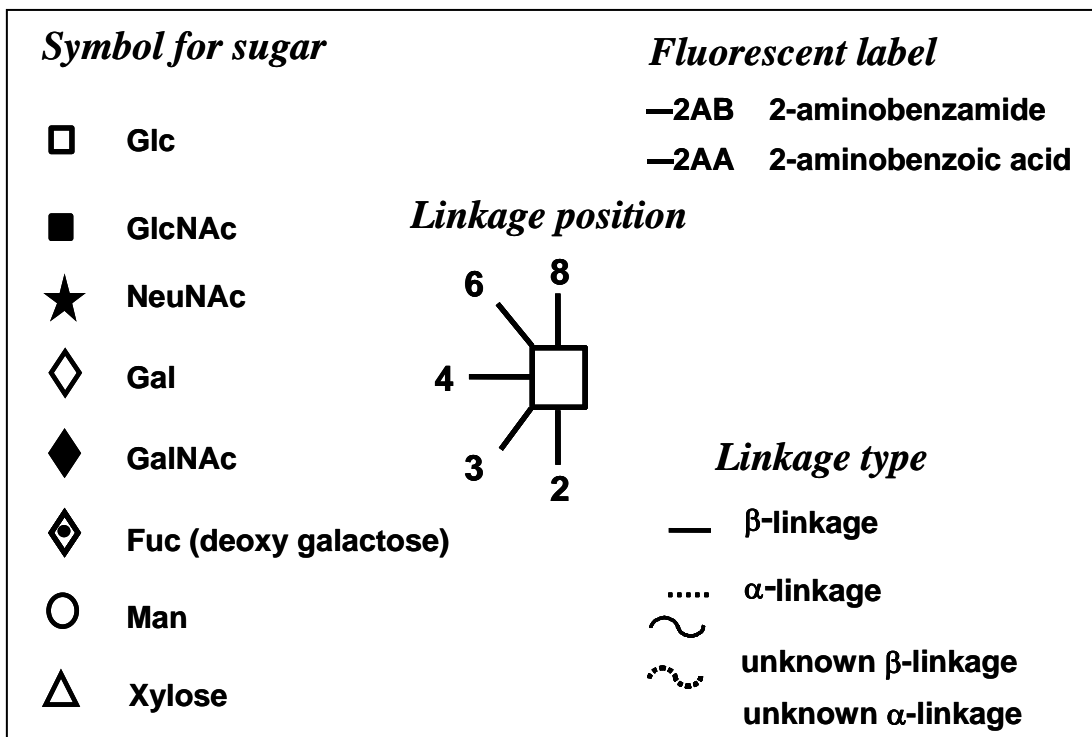


Figure 2: GlycoBase glycan structure key.