

Certificate of Analysis

LudgerPure™ 2AA Labeled A2G1 Glycan

Cat. #: CAA-A2G1-01

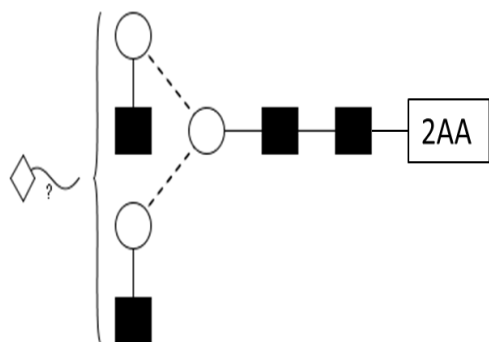
Batch: B493-01

Size: approx. 100 pmol

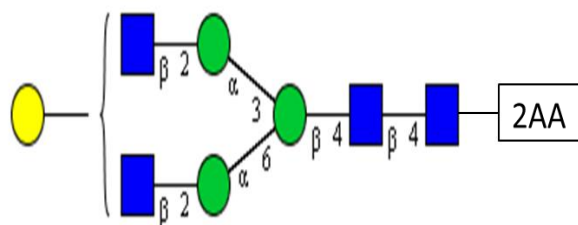
Alternative Names

G1

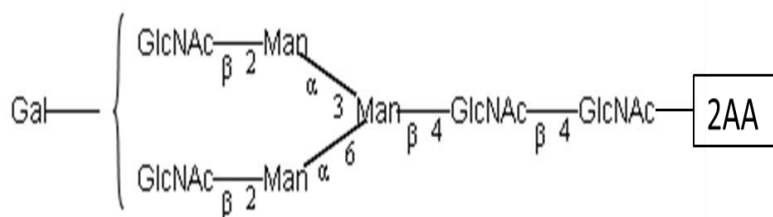
Structure



Oxford Notation



CFG Notation



Text Notation

Purity: 87.92% 2AB labeled A2G1 glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 105.8 pmols A2G1 glycan – Test performed 12 Sept 2014.

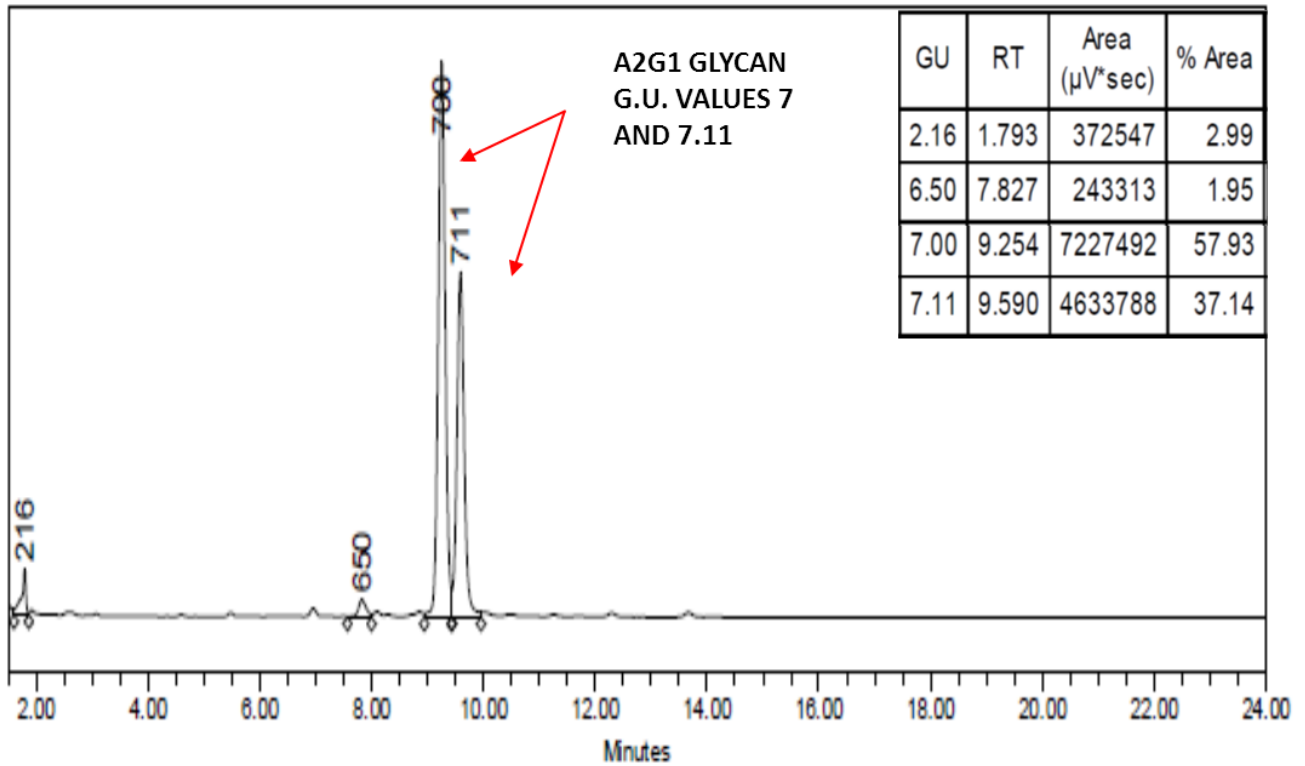


Figure 1: HILIC HPLC profile of 2AA labelled A2G1 glycan (see method conditions below)

(Cat. #: CAA-A2G1-01, Batch B493-01).

**A2G1 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-AA A2G1 peak seen above, eluted at 9.25 AND 9.59 minutes, under the following conditions:

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

Flow: 0.4mL/min.

Temperature: 40 °C

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

Gradient:

Time (min)	%B
0.0	72.0
27.0	62.0
30.0	100.0
31.0	100.0
32.0	72.0
35.0	72.0

Detector: WATERS FLD-AQUITY Excitation wavelength: 250 nm

Emission wavelength: 428 nm

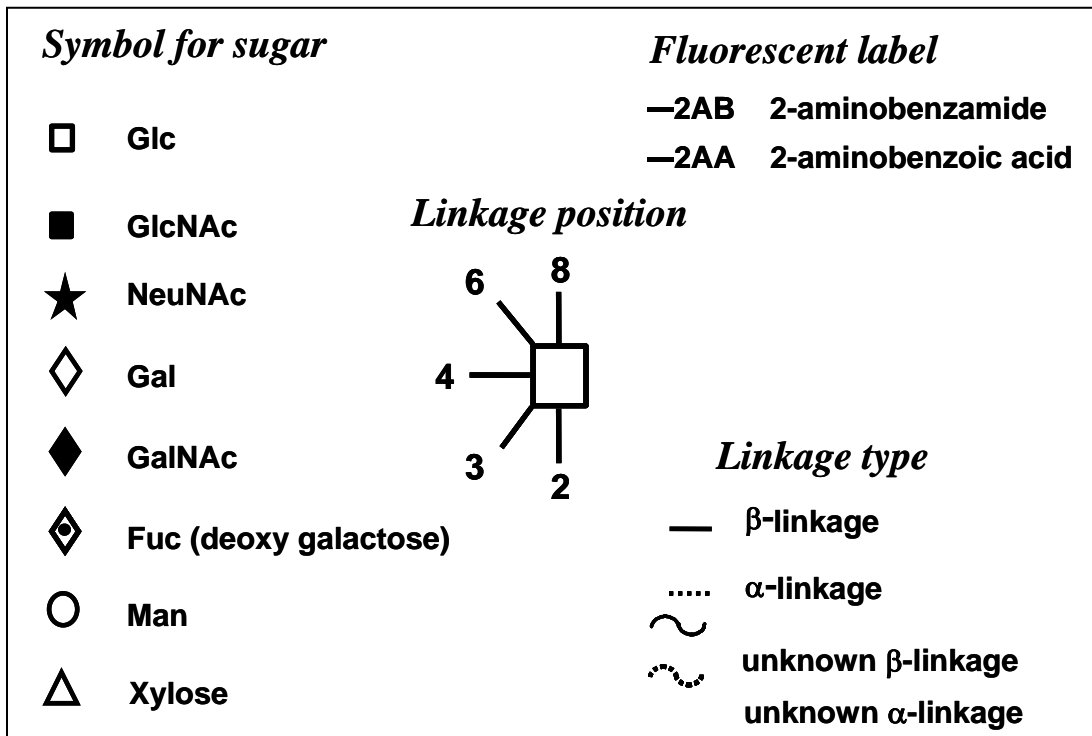


Figure 2: GlycoBase glycan structure key.