

Certificate of Analysis

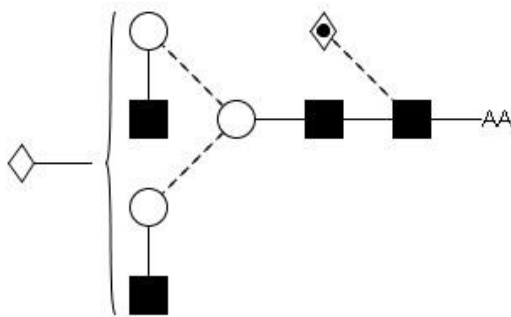
LudgerPure™ 2AA Labeled FA2G1 Glycan

Cat. #: CAA-FA2G1-01

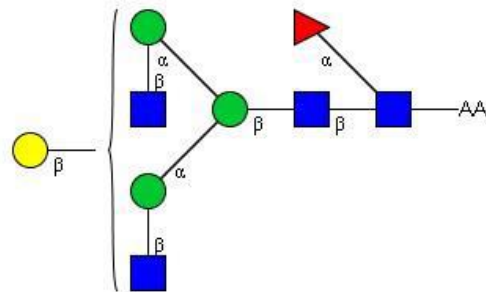
Batch: B65P-07

Size: approx. 100 pmol

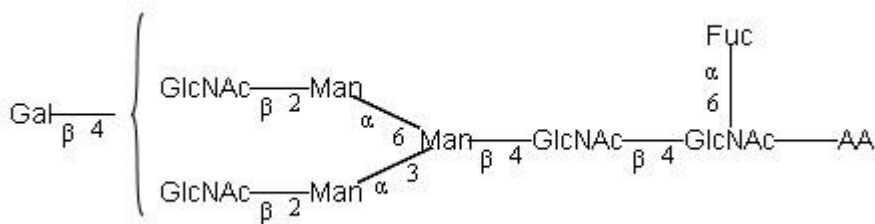
Structure



Oxford Notation



CFG Notation



Text Notation

Purity: 97.4% 2AA labeled FA2G1 glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 101.7 pmols FA2G1 glycan – Test performed 27 May 2016.

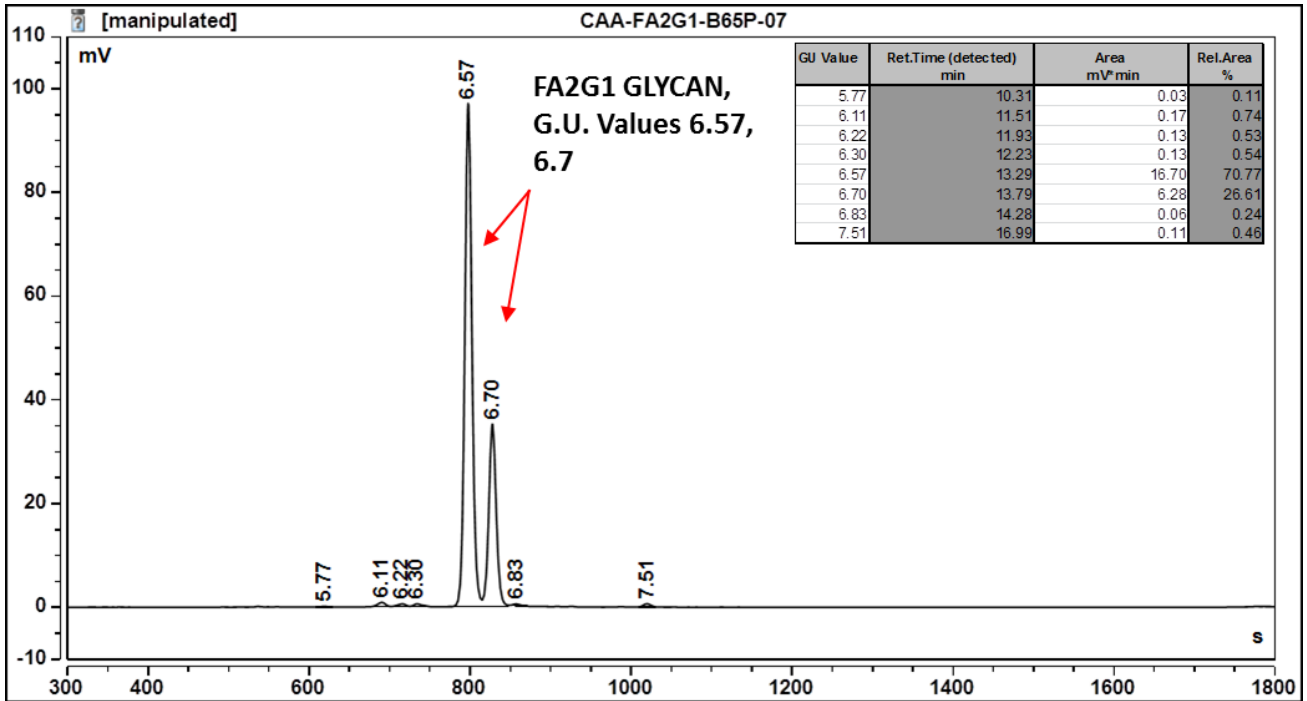


Figure 1: HILIC HPLC profile of 2AA labelled FA2G1 glycan (see method conditions below)

(Cat. #: CAB-FA2G1-01, Batch B65P-07).

*FA2G1 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 FA2G1 peak seen above, eluted at 13.18 & 13.68 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	0.0
72.0	72.0
27.0	27.0
62.0	62.0
30.0	30.0
100.0	100.0

Detector: WATERS FLD-AQUITY

Excitation wavelength: 250 nm

Emission wavelength: 428 nm

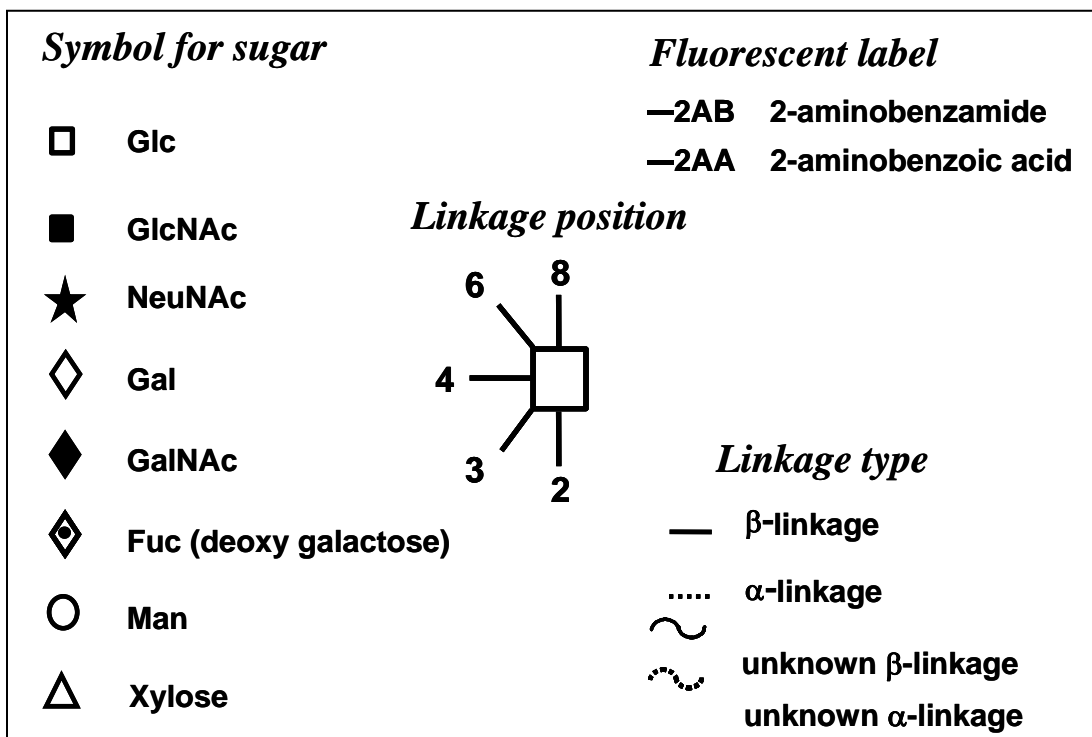


Figure 2: GlycoBase glycan structure key.