

Certificate of Analysis

LudgerPure™ 2AA Labeled A2F Glycan

Cat. #: CAA-A2F-01

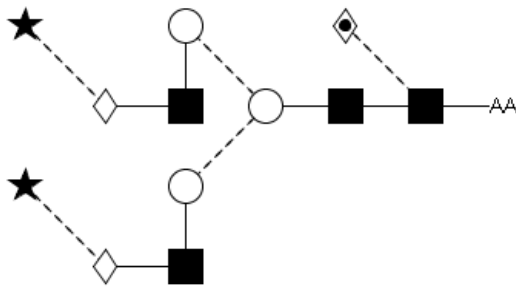
Batch: B64R-03

Size: approx. 100 pmol

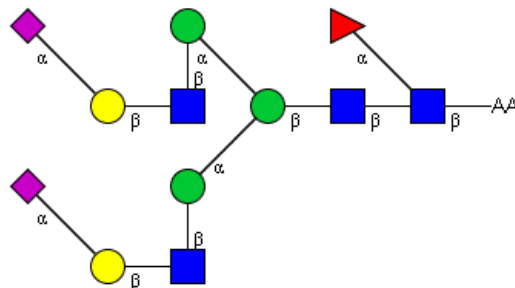
Alternative Names

FA2G2S2, G2FS2

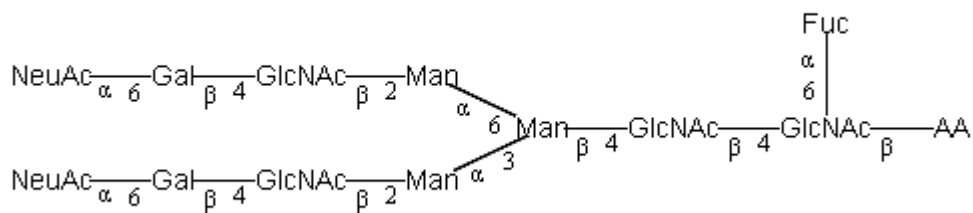
Structure



Oxford Notation



CFG Notation



Text Notation

Purity: 87.6% 2AB labeled A2F glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 127pmols A2F glycan – Test performed 29 Apr 2015.

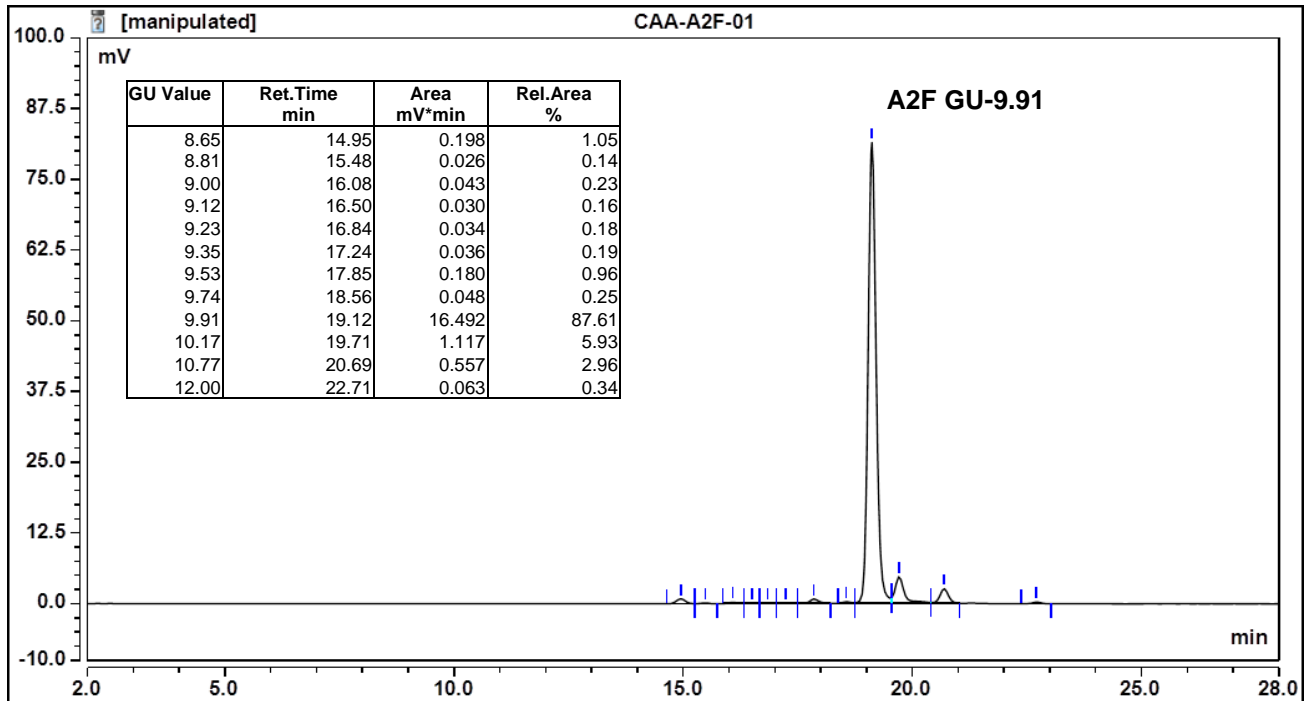


Figure 1: HILIC HPLC profile of 2AA labelled A2F glycan (see method conditions below)

(Cat. #: CAA-A2F-01, Batch B64R-03).

**A2F 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 A2F peak seen above, eluted at 19.2 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

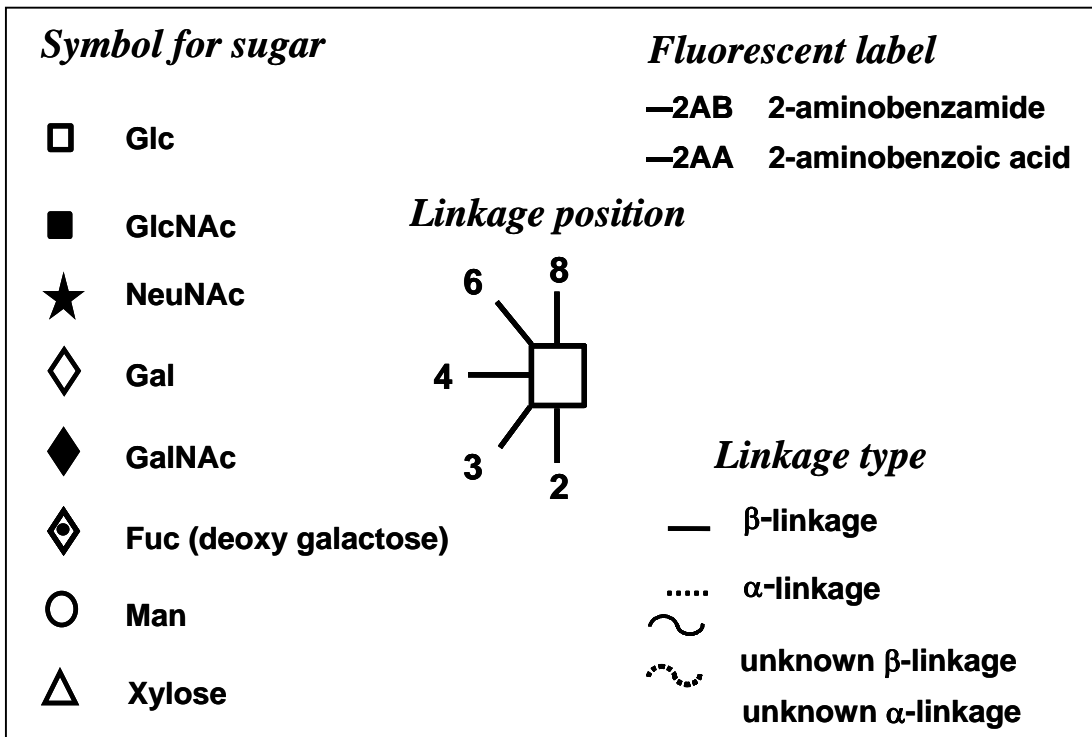


Figure 2: GlycoBase glycan structure key.