

Certificate of Analysis

LudgerPure™ 2AB Labeled A2F Glycan

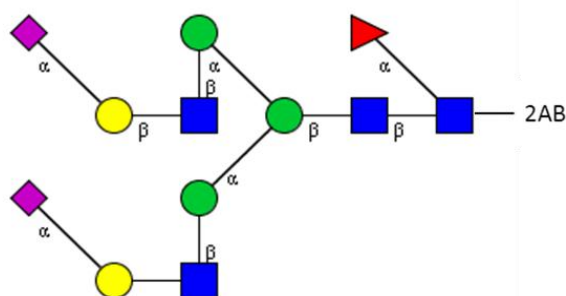
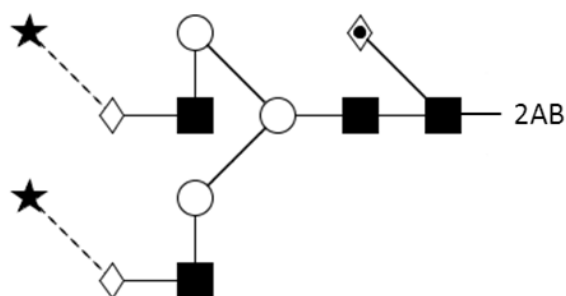
Cat. #: CAB-A2F-01
 Size: approx. 100 pmol

Batch: B73E-02
 Expiry Date: 21 April 2022

Alternative Names

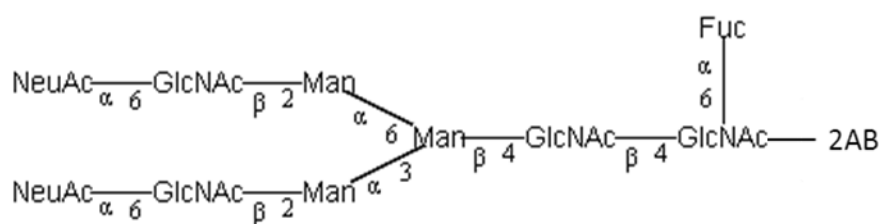
FA2G2S2 + G2FS2

Structure



Oxford Notation

CFG Notation



Text Notation

Purity: 92% 2AB labeled A2F glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 136 pmols A2F glycan – Test performed 26 April 2017.

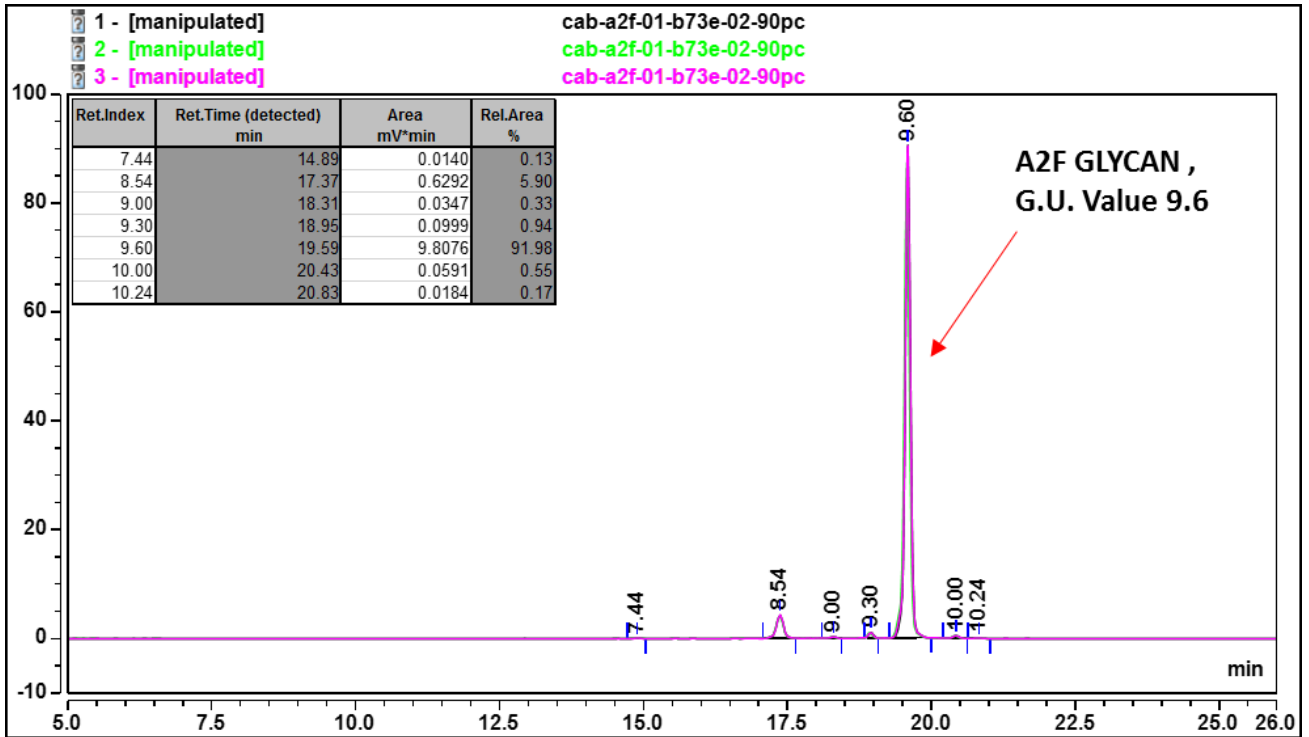


Figure 1: HILIC HPLC profile of 2AB labelled A2F glycan (see method conditions below)

(Cat. #: CAB-A2F-01, Batch B73E-02).

**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).*

2AB A2F peak seen above, eluted at 19.59 minutes, under the following conditions:

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

Flow: 0.4mL/min.

Temperature: 60 °C

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

Gradient:

Time (min)	%B
0.0	72.0
27	62.0
30	100
32	100
33	72
35	72

Detector: Fluorescence Excitation wavelength: 250 nm

Emission wavelength: 428 nm

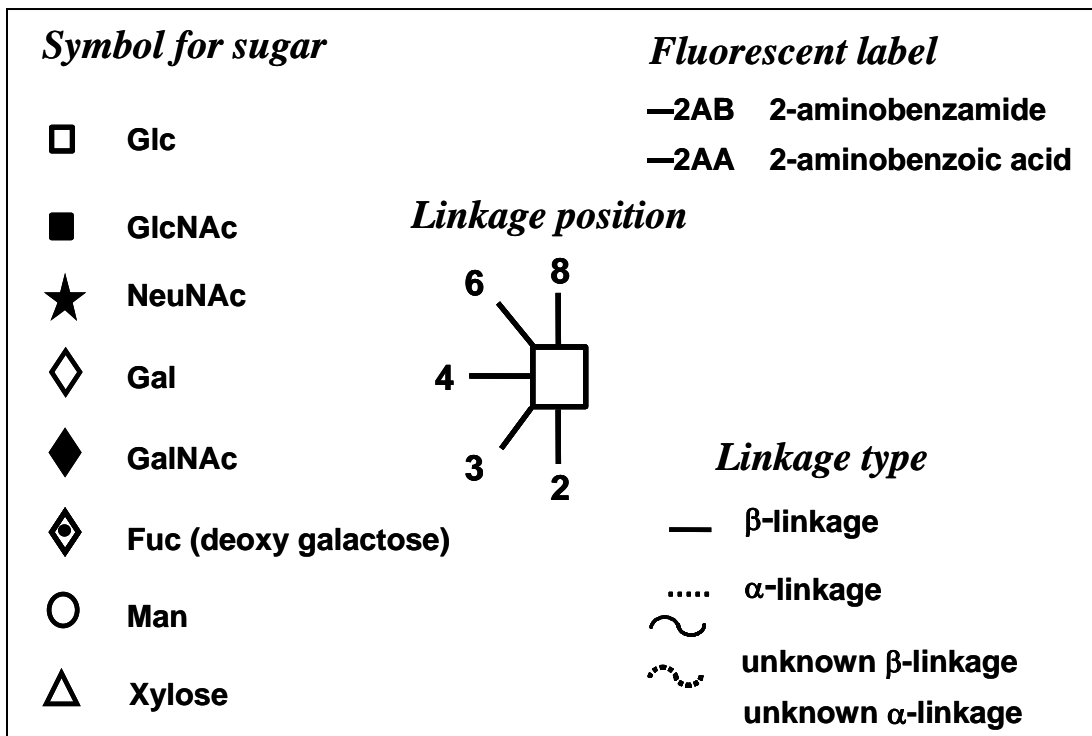


Figure 2: GlycoBase glycan structure key.