

Certificate of Analysis

LudgerPure™ 2AB Labeled A1 Glycan

Cat. #: CAB-A1-01

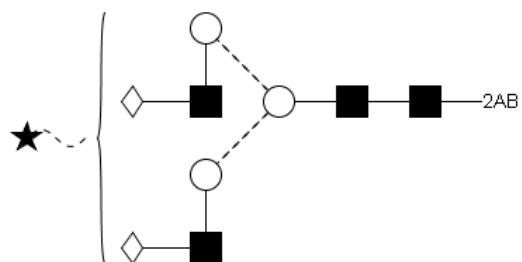
Batch: B15D-01

Size: approx. 100 pmol

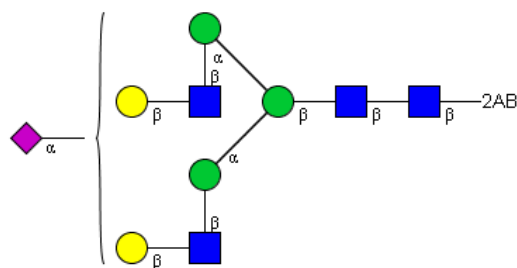
Alternative Names

A2G2S1

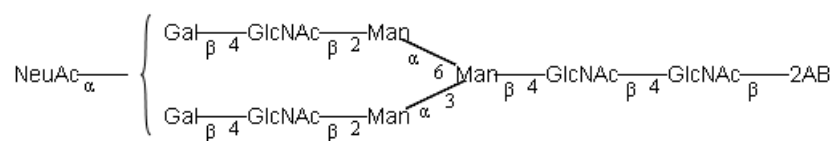
Structure



Oxford Notation



CFG Notation



Text Notation

Purity: > 90% 2AB labeled A1 glycan, as assessed by HPLC - see Fig 1.

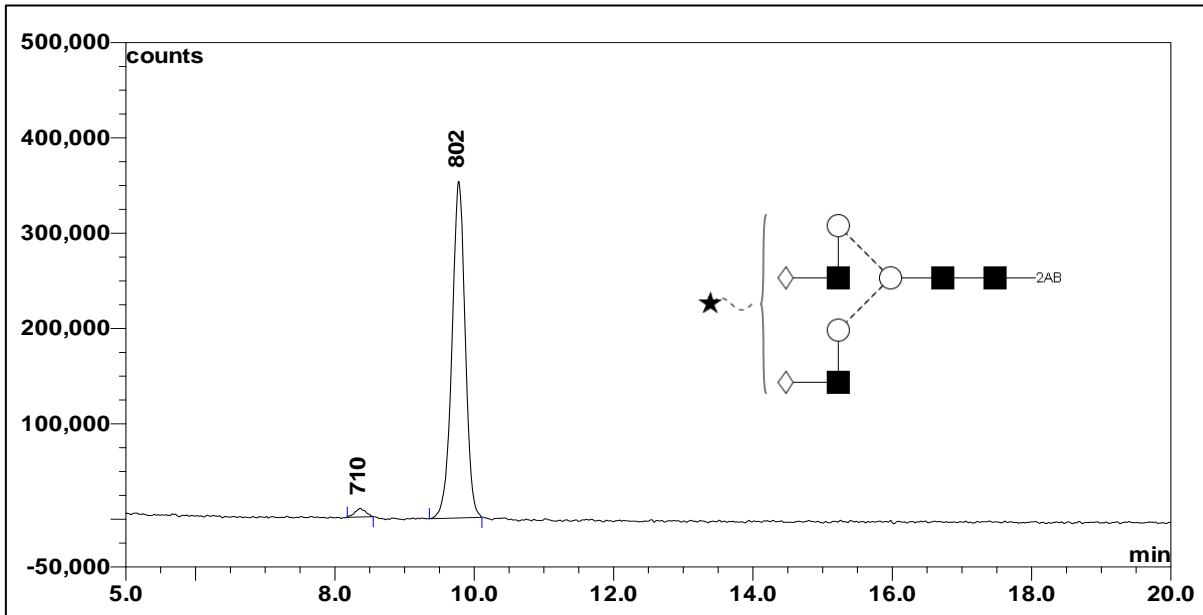


Figure 1: LudgerSepN2 HPLC profile of 2AB labeled A1 glycan
(Cat. #: CAB-A1-01, Batch B15D-01).

**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 9.78 minutes, under the following conditions:

HPLC Running Conditions:

Column: LudgerSep N2 Amide (Cat. #: LS-N2-2.0x150)

Flow: 0.3 ml/min.

Temperature: 40 °C

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

Gradient:

- 0 min – 65 % B
- 25 min – 40 % B
- 25.5 min – 0 % B
- 27.5 min – 0% B
- 29.5 min – 65 % B
- 35.1 min – 65 % B

Detector: Dionex FLD-3000

Excitation wavelength: 330 nm

Emission wavelength: 420 nm

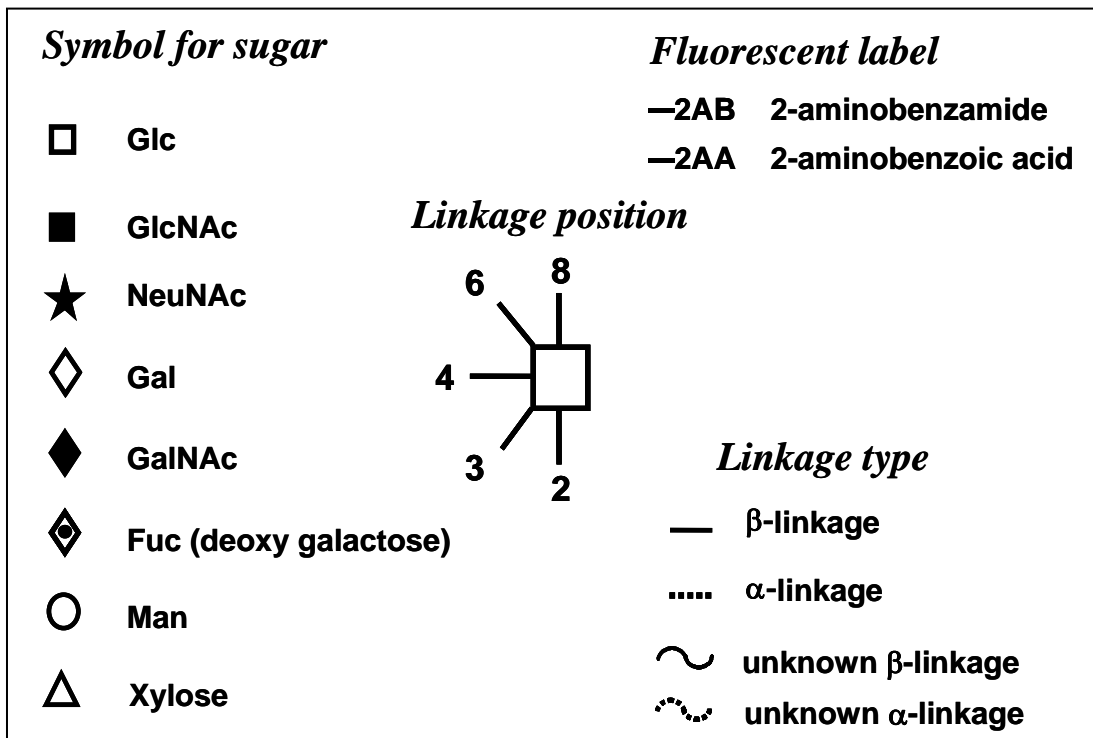


Figure 2 : GlycoBase glycan structure key.