

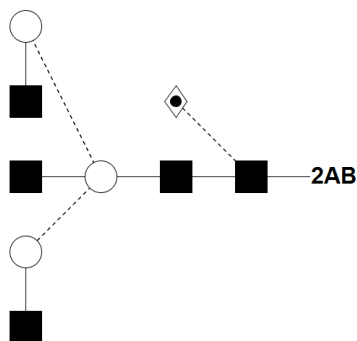
Certificate of Analysis

LudgerPure™ 2AB Labeled FA2B Glycan

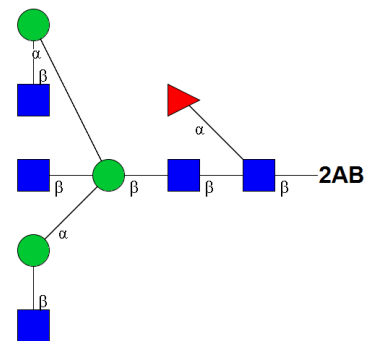
Cat. #: CAB-FA2B-01
Size: approx. 100 pmol

Batch: B3AS-03
Expiry Date: 12 Mar 2023

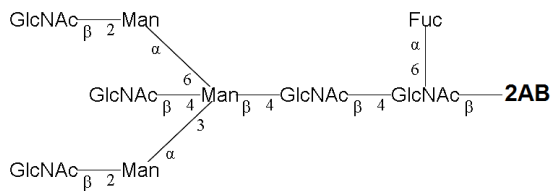
Glycan Structure



Oxford Notation



CFG Notation



Text Notation

Purity: 95.93% 2AB labeled FA2B glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 121.4 pmols FA2B glycan – Test performed 12 Mar 2018.

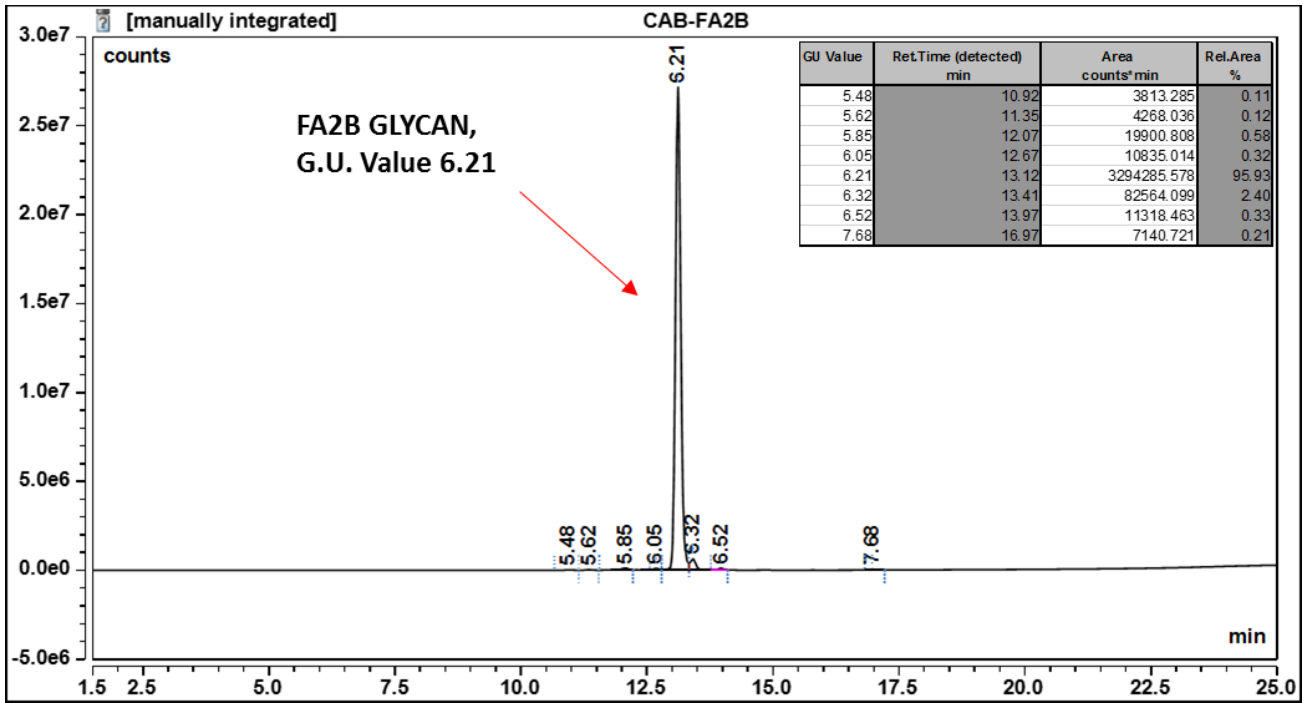


Figure 1: HILIC HPLC profile of 2AB labelled FA2B glycan (see method conditions below) (Cat. #: CAB-FA2B-01, Batch B3AS-03).

*FA2B 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 FA2B peak seen above, eluted at 13.12 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: Fluorescence

Excitation wavelength: 250 nm

Emission wavelength: 428 nm

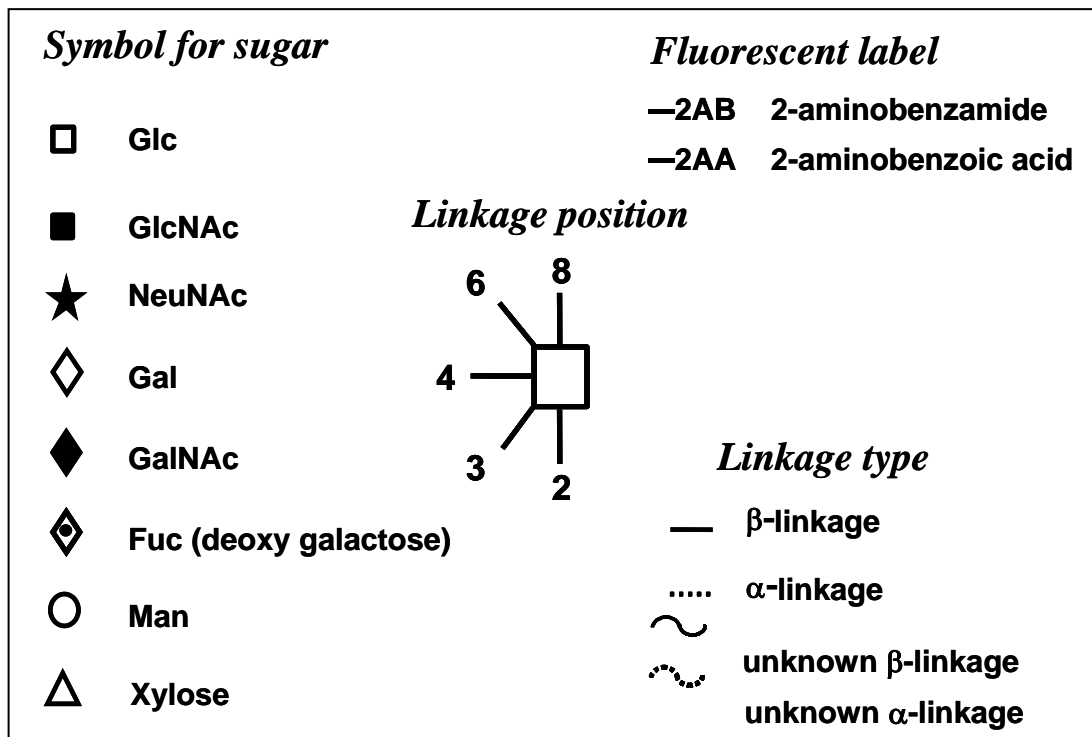


Figure 2: GlycoBase glycan structure key.