

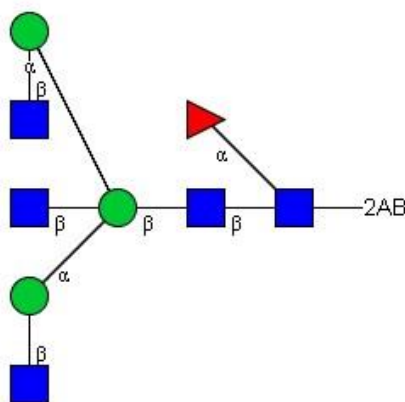
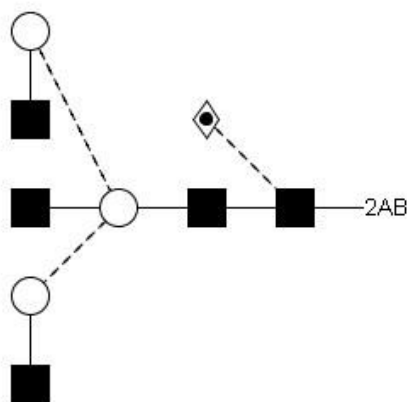
Certificate of Analysis

LudgerPure™ 2AB Labelled FA2B Glycan

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

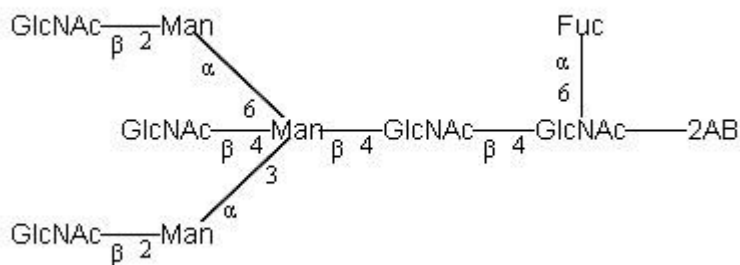
Batch: B3AS-03
 Expiry: 28th Oct 2018

Structure



Oxford Notation

CFG Notation



Text Notation

Purity: 95.3% 2AB labelled FA2B glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 110.0 pmols FA2B glycan – Test performed 28 Oct 2013.

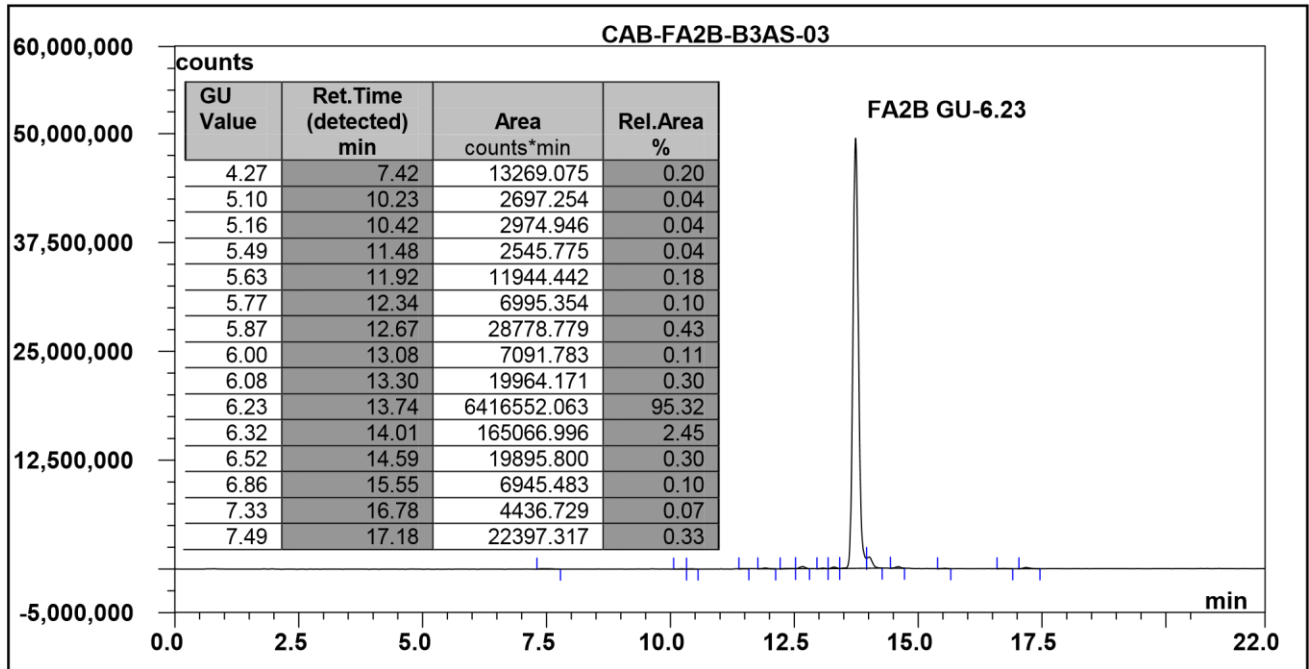


Figure 1: HILIC HPLC profile of 2AB labelled FA2B glycan (see method conditions below)

(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).*

2-AB FA2B peak seen above, eluted at 13.7 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

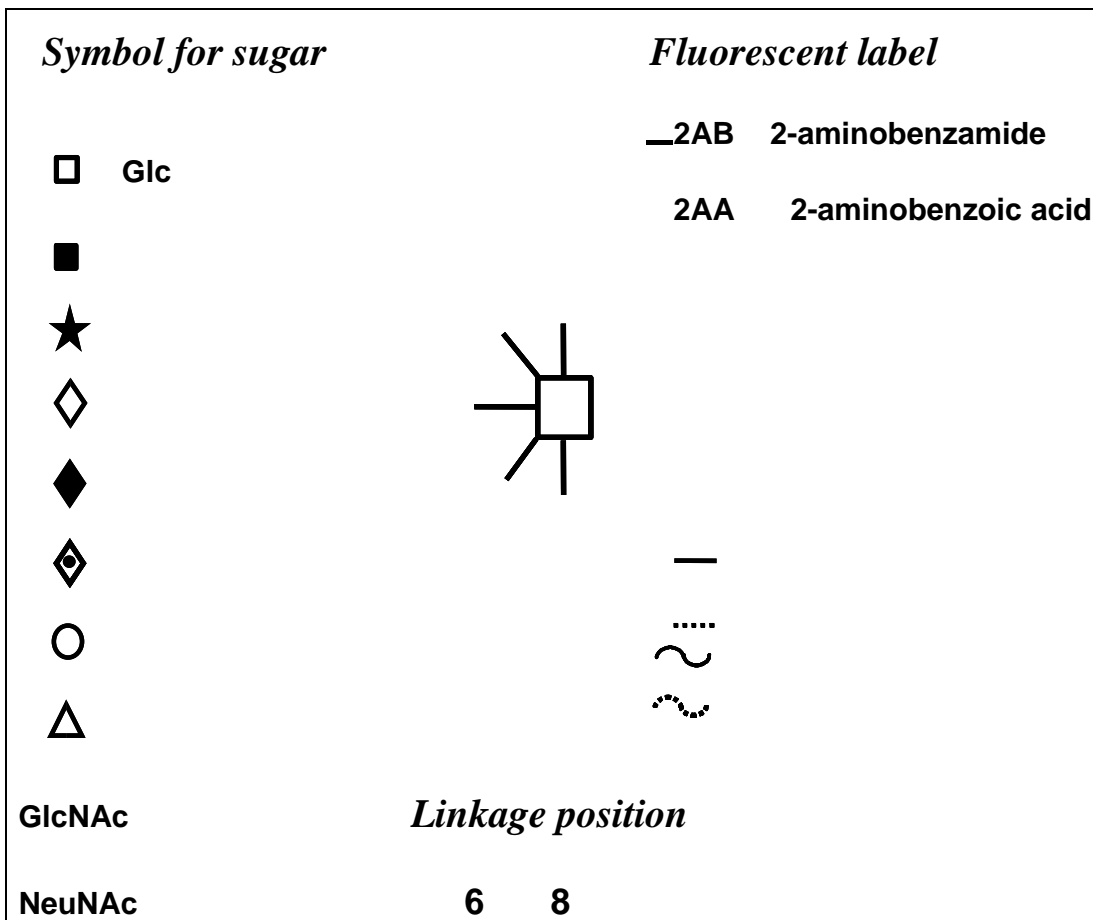
Gradient:

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



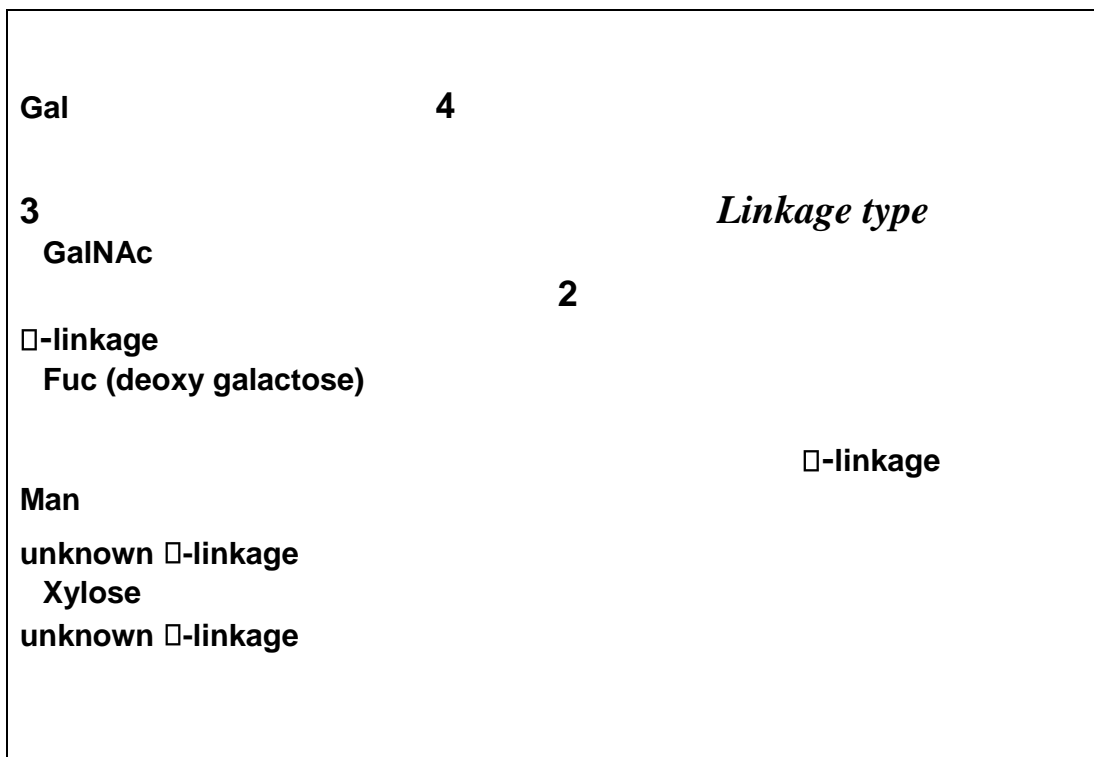


Figure 2: GlycoBase glycan structure key.