

Certificate of Analysis

LudgerPure™ 2AB Labelled ALPHA GAL Glycan

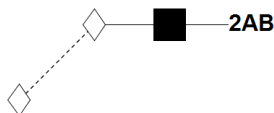
Cat. #: CAB-ALPHA-GAL-01

Batch: B3AS-04

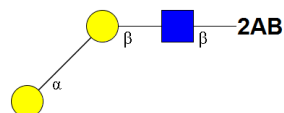
Size: approx. 100 pmol

Expiry Date: 12 Mar 2023

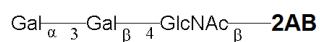
Glycan Structure



Oxford Notation



CFG Notation



Text Notation

Purity: 88.48% 2AB labelled ALPHA GAL glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 125 pmols ALPHA GAL glycan – Test performed 12 Mar 2018.

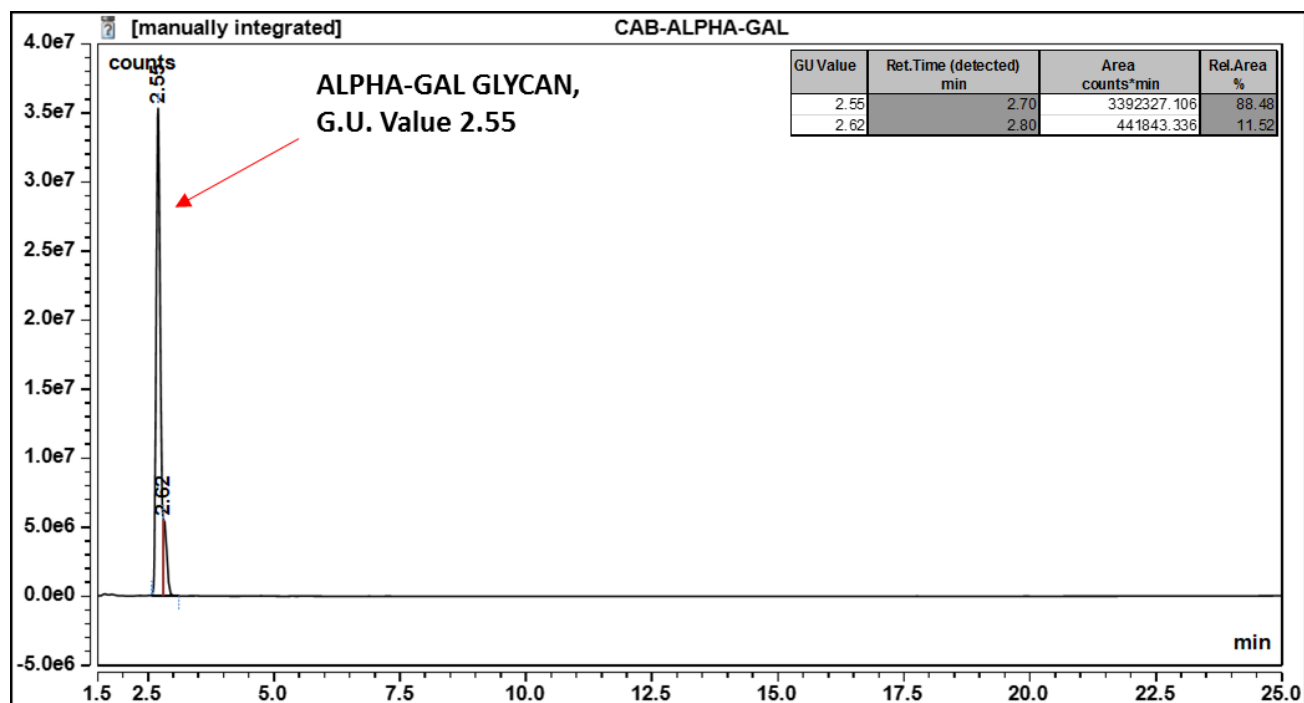


Figure 1: HILIC HPLC profile of 2AB labelled ALPHA GAL glycan (see method conditions below) (Cat. #: CAB-ALPHA-GAL-01, Batch B3AS-04).

*ALPHA GAL 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 ALPHA GAL peak seen above, eluted at 2.7 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	%B
0.0	78.0
5.0	72.5
5.5	40.0
6.0	78.0
10.0	78.0

Detector: Dionex FLD-3000

Excitation wavelength: 250 nm

Emission wavelength: 428 nm

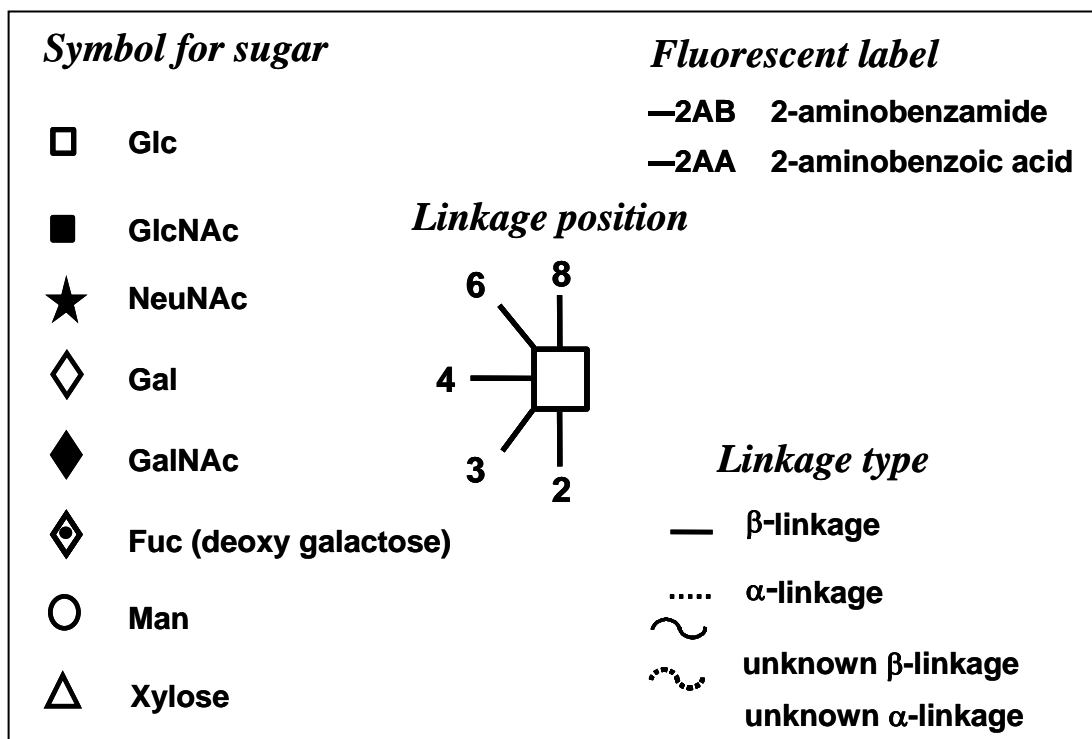


Figure 2: GlycoBase glycan structure key.