Certificate of Analysis

LudgerPure™ 2AB Labeled M3N2 Glycan

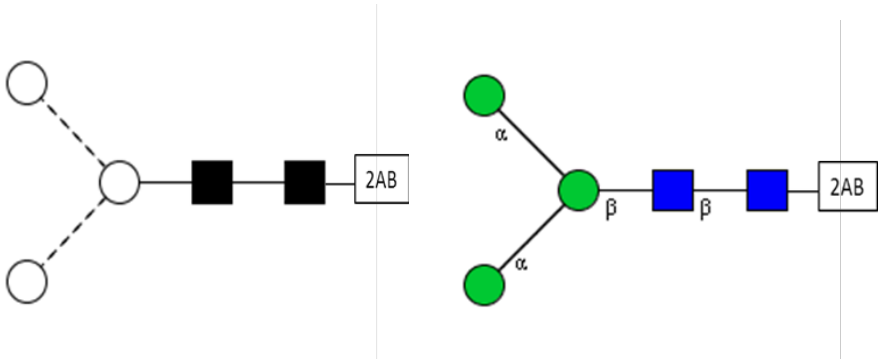
Cat. #: CAB-M3N2-01 | Batch: B7AO-01

Size: approx. 100 pmol | Expiry Date: 27TH Oct 2022

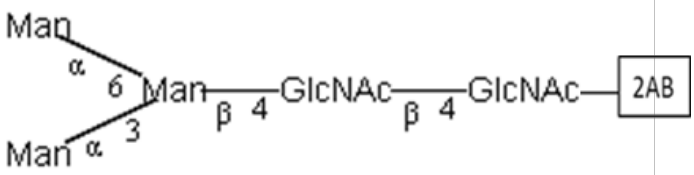
Alternative Names

M3, MAN3

Structure



Oxford Notation CFG Notation



Text Notation

Purity: 91.25% 2AB labeled M3N2 glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 129.2 pmols M3N2 glycan – Test performed 27th Oct 2017

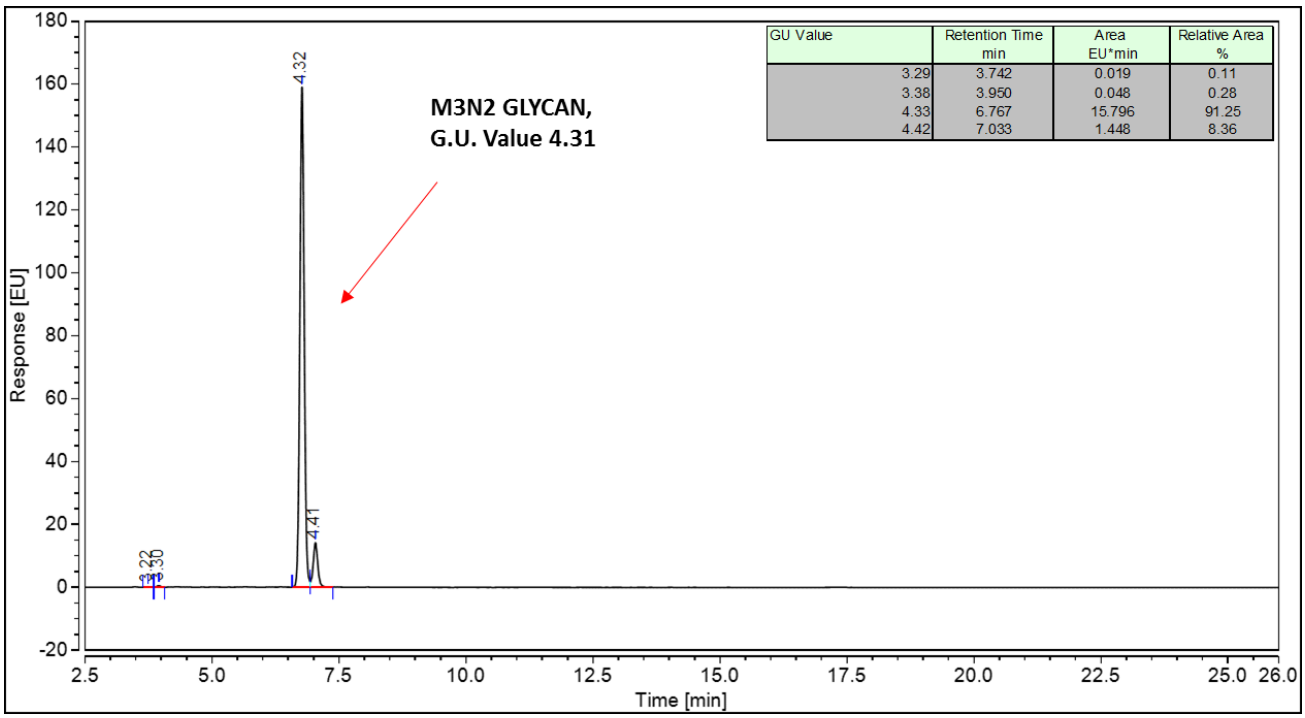


Figure 1: HILIC HPLC profile of 2AB labelled M3N2 glycan (see method conditions below) (Cat. #: CAB-M3N2-01, Batch B7AO-01).

**M3N2 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 M3N2 peak seen above, eluted at 6.7 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

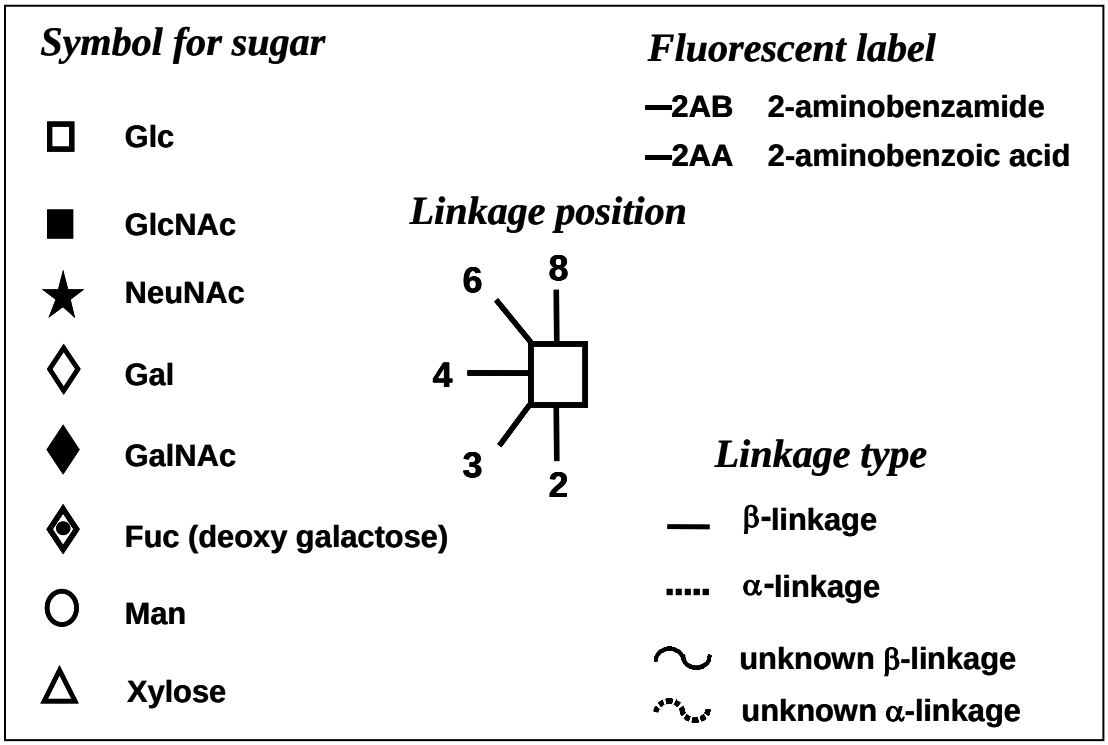


Figure 2: GlycoBase glycan structure key.