

Ludger

Certificate of Analysis

LudgerPure™ 2AB Labeled MAN5 Glycan

Cat. #: CAB-MAN5-01

Batch: B562-02

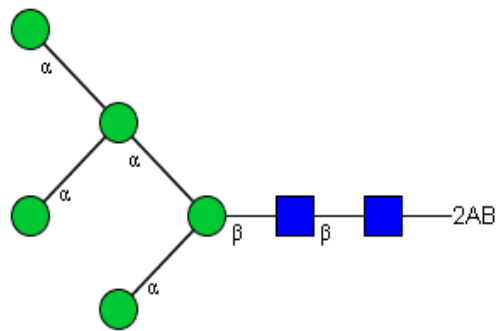
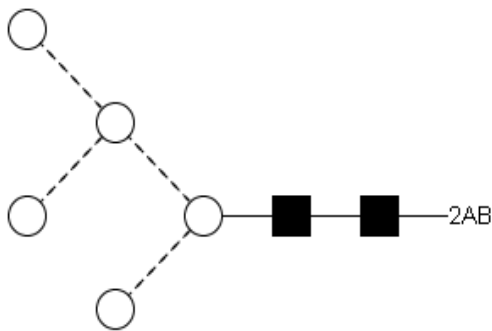
Size: approx. 100 pmol

Expiry Date: June 2020

Alternative Names

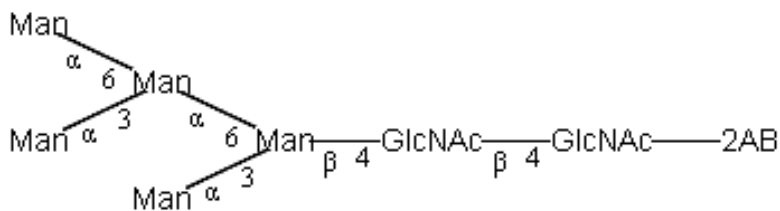
M5

Structure



Oxford Notation

CFG Notation



Text Notation

Purity: 90.06% 2AB labeled MAN5 glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 111.2 pmols MAN5 glycan – Test performed 08 JULY 2015.

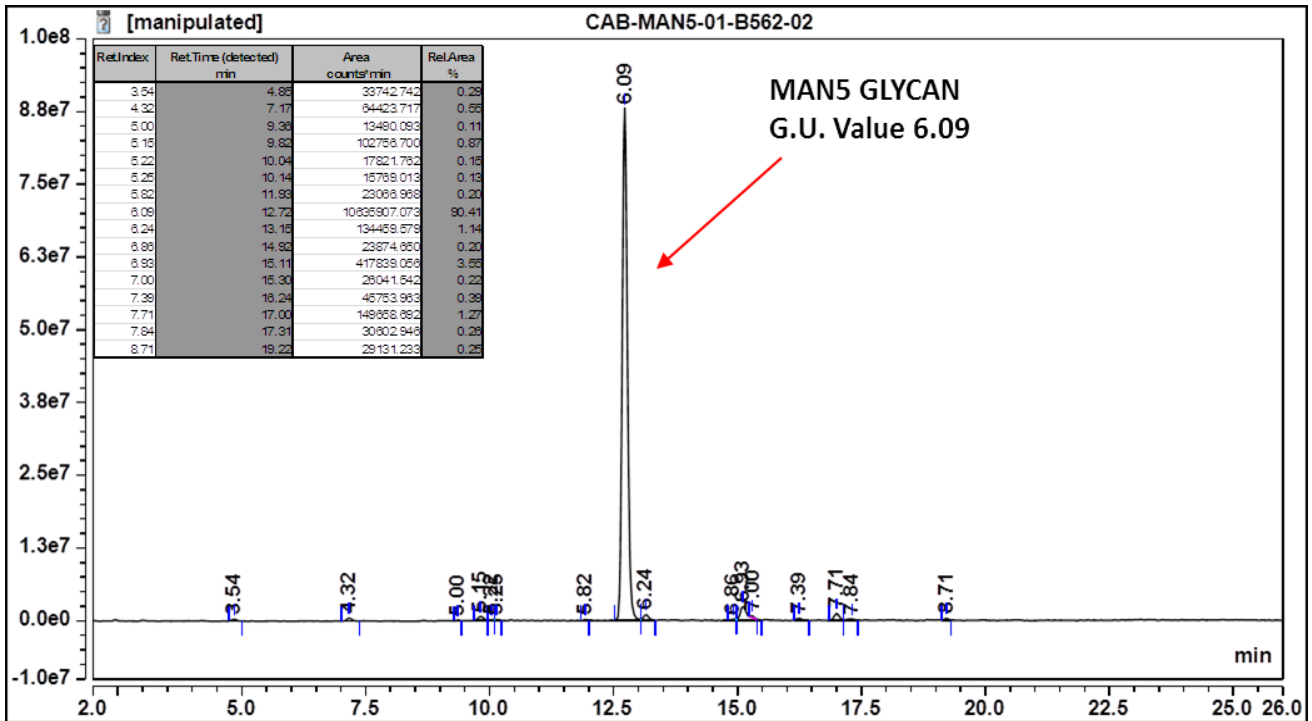


Figure 1: HILIC HPLC profile of 2AB labelled MAN5 glycan (see method conditions below) (Cat. #: CAB-MAN5-01, Batch B562-02).

**MAN5 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 MAN5 peak seen above, eluted at 12.73 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

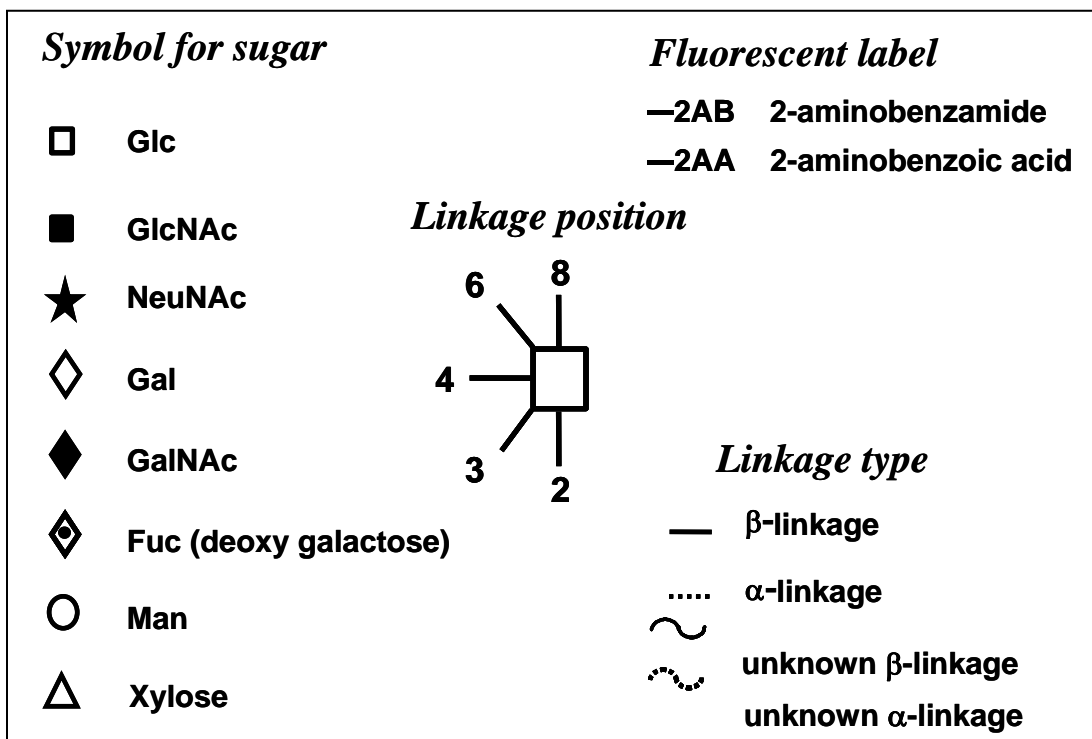


Figure 2: GlycoBase glycan structure key.