

Ludger

Certificate of Analysis

LudgerPure™ 2AA Labeled MAN5 Glycan

Cat. #: CAA-MAN5-01

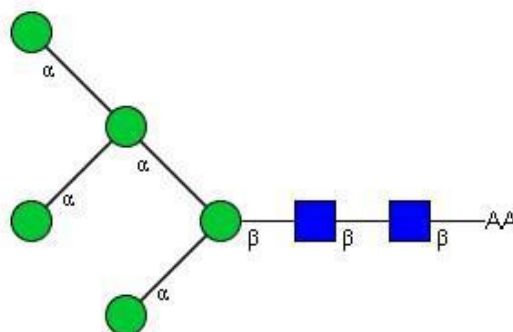
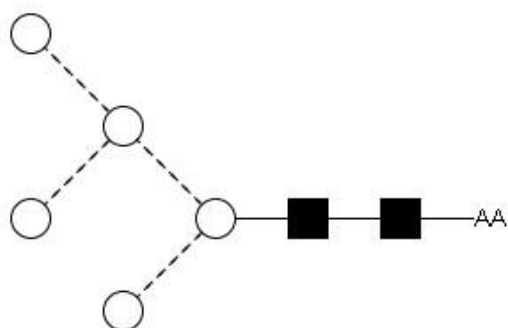
Batch: B168-01

Size: approx. 100 pmol

Alternative Names

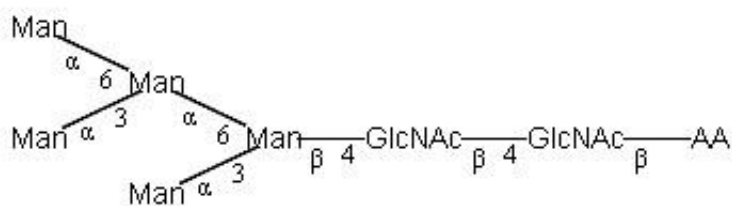
M5

Structure



Oxford Notation

CFG Notation



Text Notation

Purity: 91.91% 2AA labeled MAN5 glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 84.6 pmols MAN5 glycan – Test performed 09 JUN 2016.

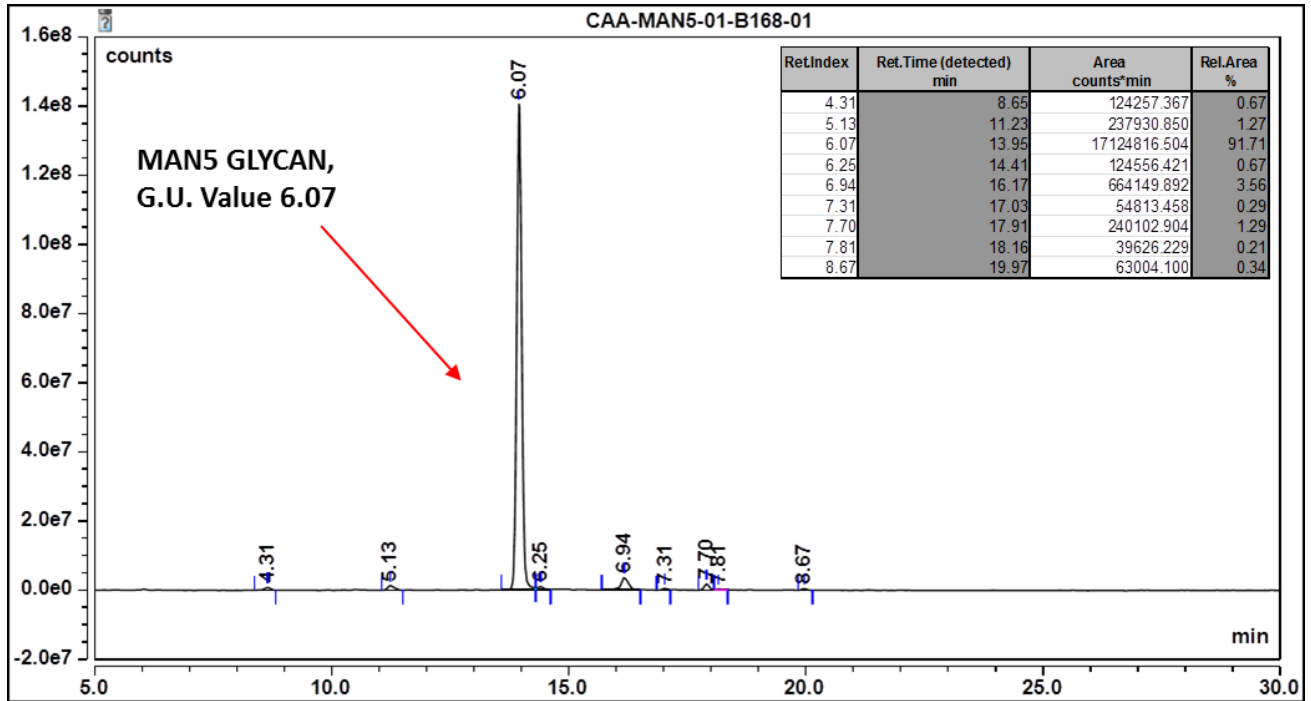


Figure 1: HILIC HPLC profile of 2AA labelled MAN5 glycan (see method conditions below)

(Cat. #: CAA-MAN5-01, Batch B168-01).

**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-AA peak seen above, eluted at 13.95 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

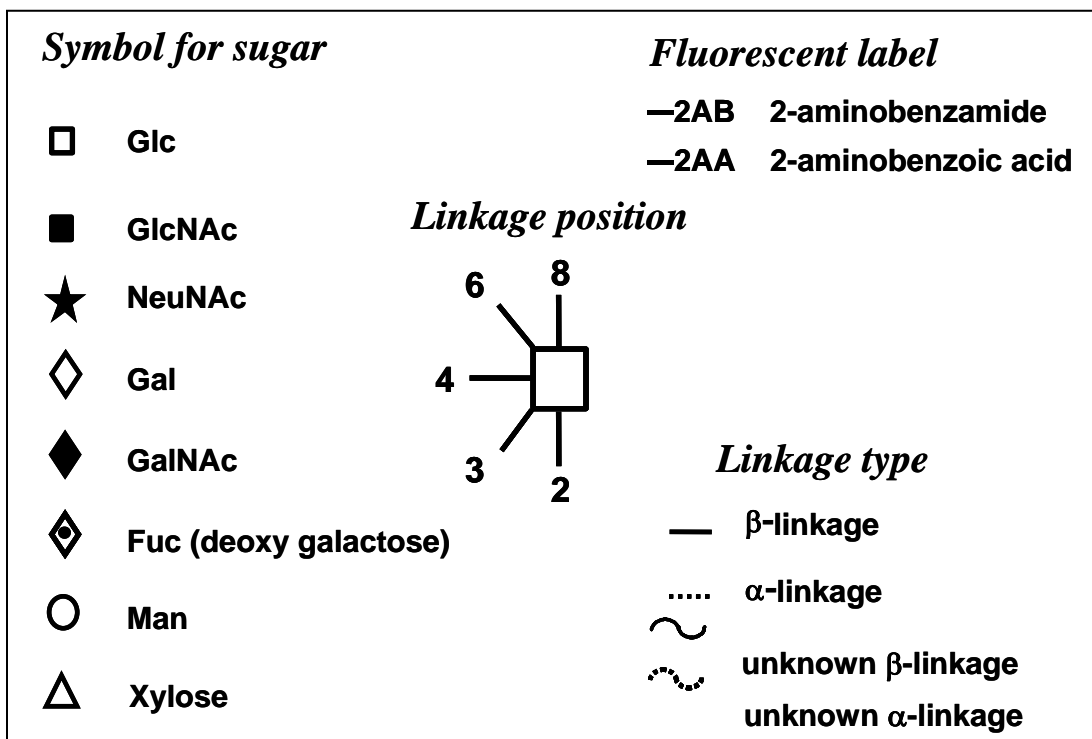


Figure 2: GlycoBase glycan structure key.