

Certificate of Analysis

LudgerPure™ 2AA Labeled A1 Glycan

Cat. #: CAA-A1-01

Batch: B167-01

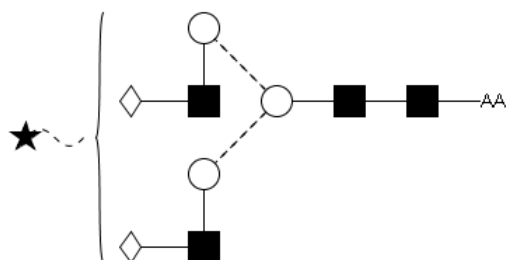
Size: approx. 100 pmol

Expiry: Jan 2021

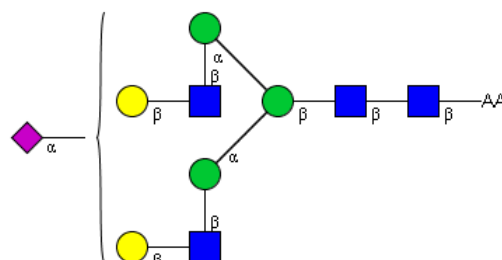
Alternative Names

A2G2S1

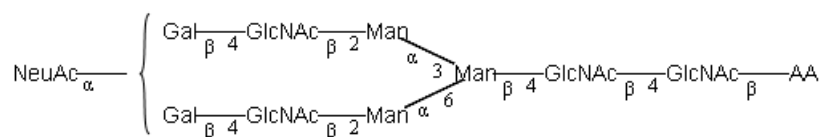
Structure



Oxford Notation



CFG Notation



Text Notation

Purity: 96.87% 2AA labeled A1 glycan, as assessed by HPLC - see Fig 1.

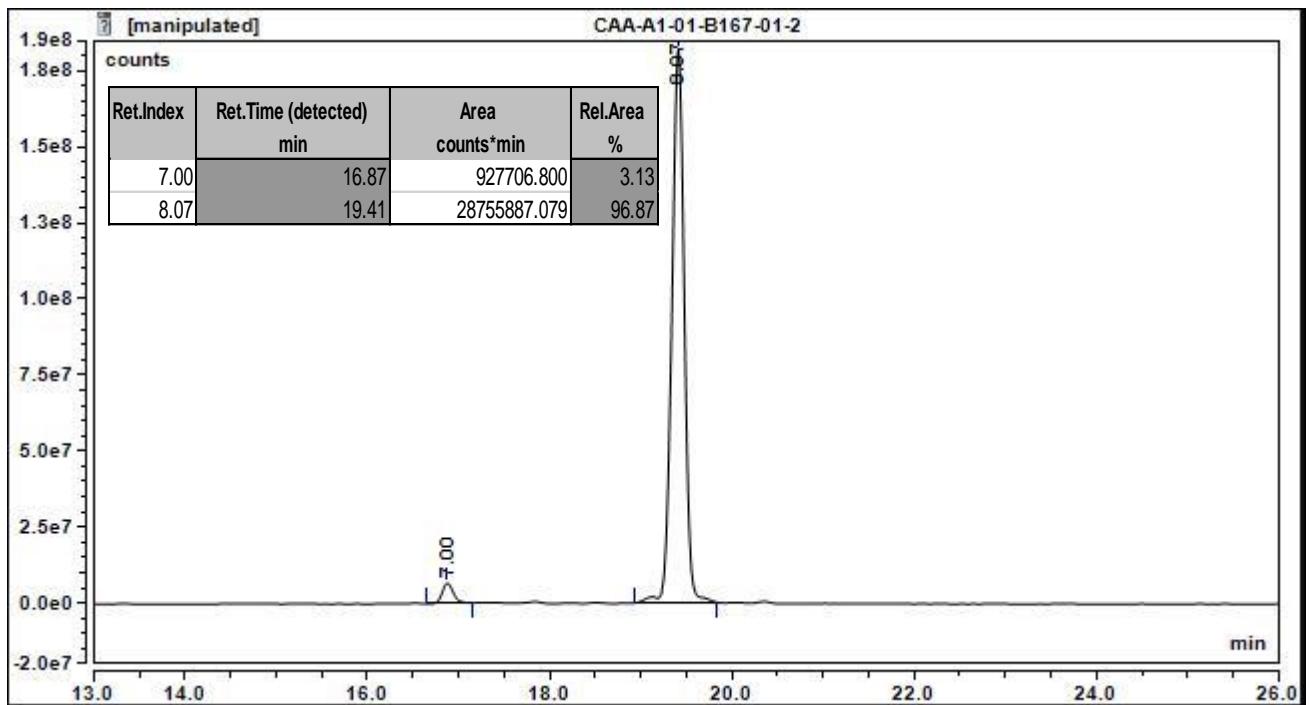


Figure 1: HILIC HPLC profile of 2AA labeled A1 glycan (Cat. #: CAA-A1-01, Batch B167-01).

**A1 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 A1 peak seen above, eluted at 19.41 minutes, under the following conditions:

HPLC Running 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

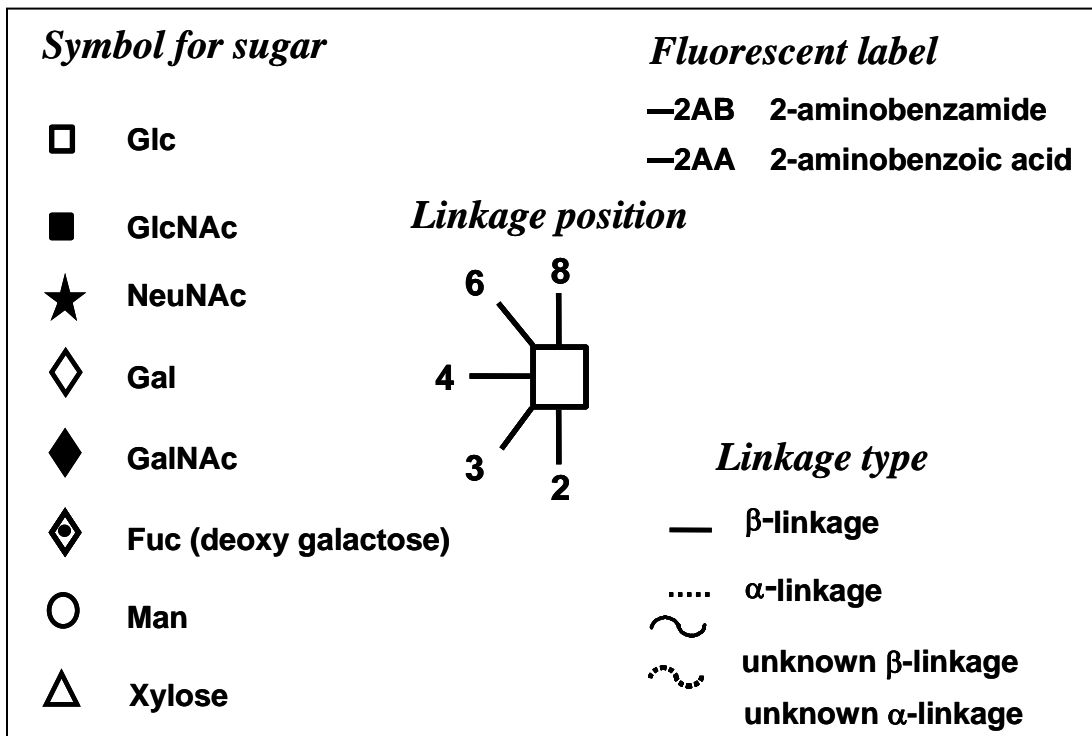


Figure 2: GlycoBase glycan structure key.