

Certificate of Analysis

LudgerPure™ 2AA Labeled A3 Glycan

Cat. #: CAA-A3-01

Batch: B91B-06

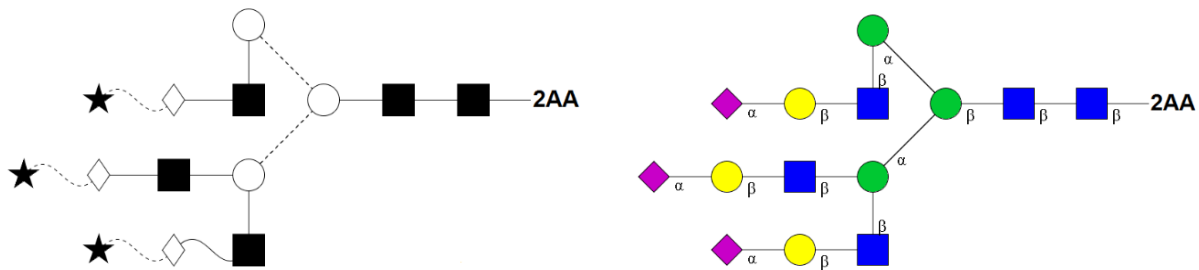
Size: approx. 100 pmol

Expiry Date: 15 Jan 2024

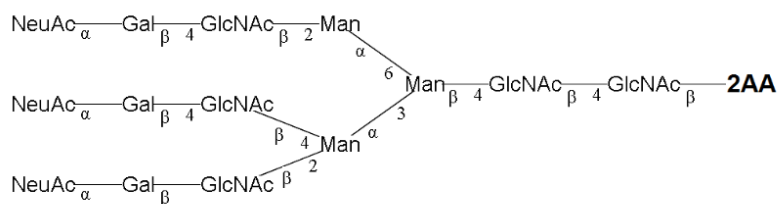
Alternative Names

A3G3S3

Glycan Structure



Oxford Notation



CFG Notation

Text Notation

Purity: 91.24% 2AA labeled A3 glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 84.3 pmols A3 glycan – Test performed 15 Jan 2019.

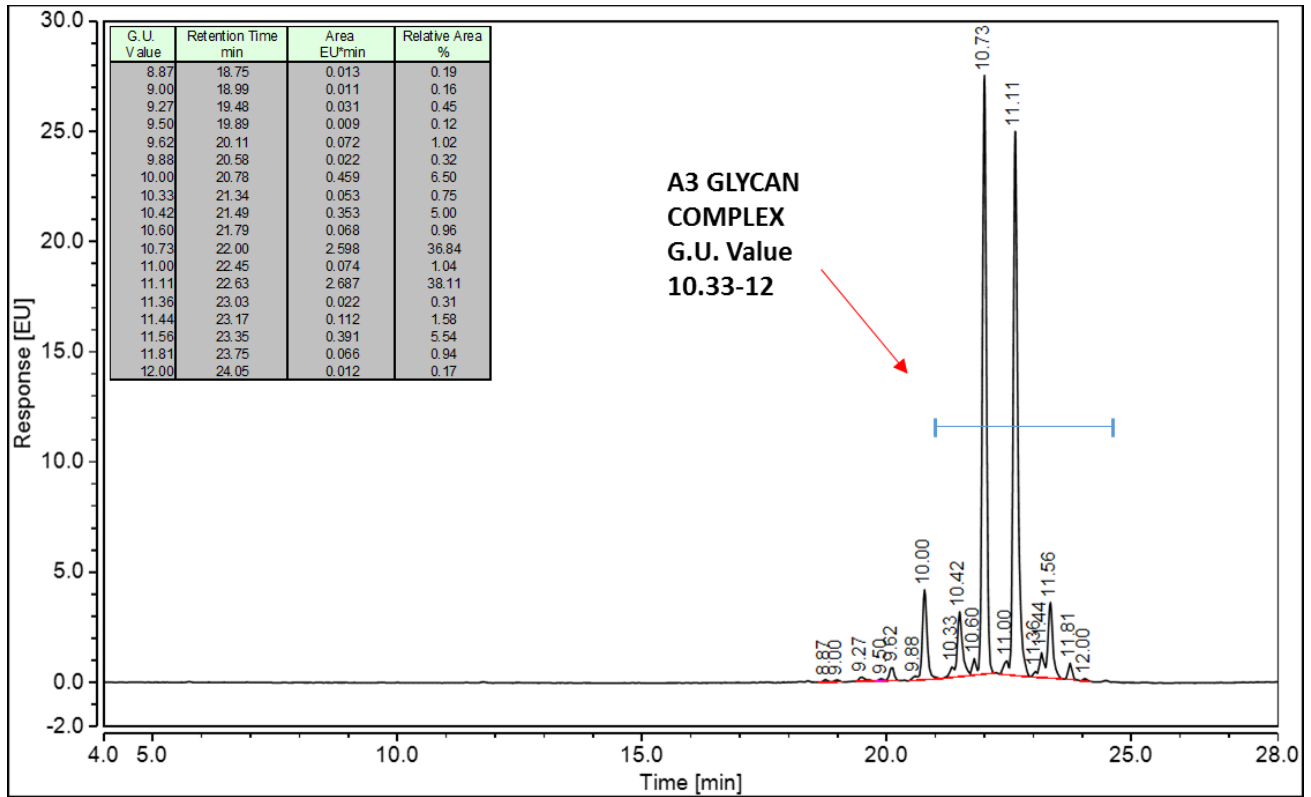


Figure 1: HILIC HPLC profile of 2AA labelled A3 glycan (see method conditions below) (Cat. #: CAA-A3-01, Batch B91B-06).

*A3 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).

2AA A3 peaks seen above, eluted between 21.34 – 24.05 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: Fluorescence

Excitation wavelength: 250 nm

Emission wavelength: 428 nm

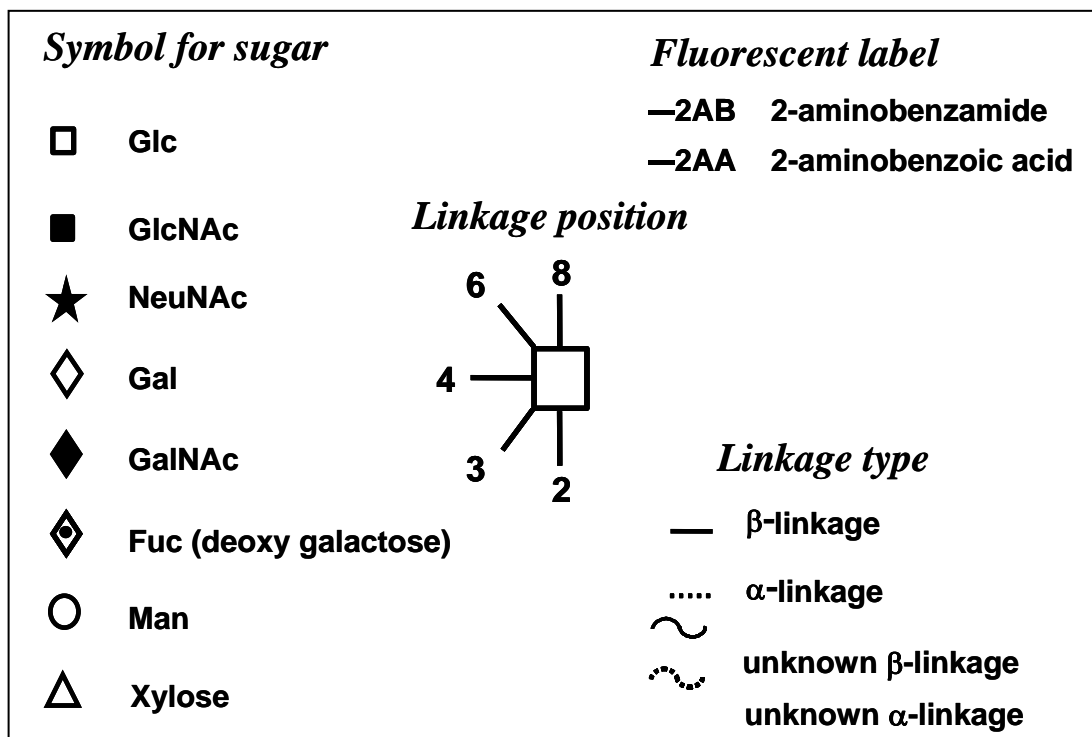


Figure 2: GlycoBase glycan structure key.