

Certificate of Analysis

LudgerPure™ 2AA Labeled NGA4 Glycan

Cat. #: CAA-NGA4-01

Batch: B81Q-03

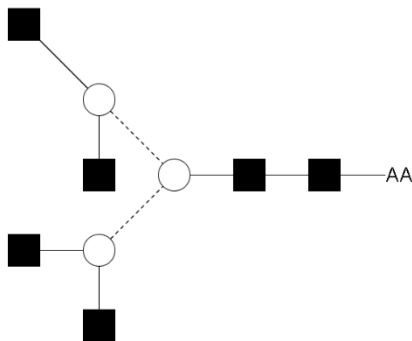
Size: approx. 100 pmol

Expiry Date: 06 JUL 2028

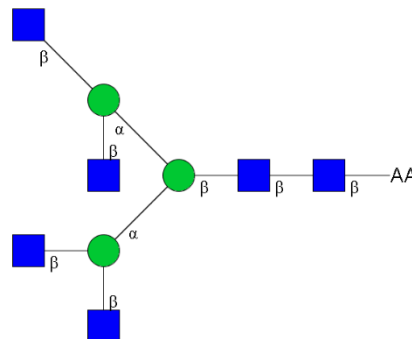
Alternative Names

A4

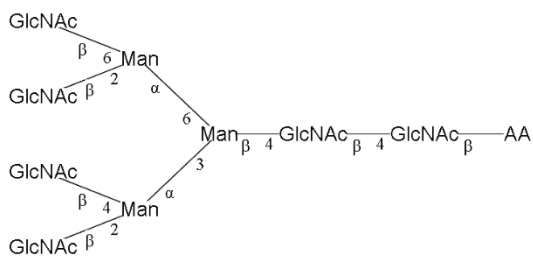
Glycan Structure



Oxford Notation



CFG Notation



Text Notation

Purity: 96.76% 2AA labeled NGA4 glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 111.9 pmols NGA4 glycan – Test performed 06 JUL 2023.

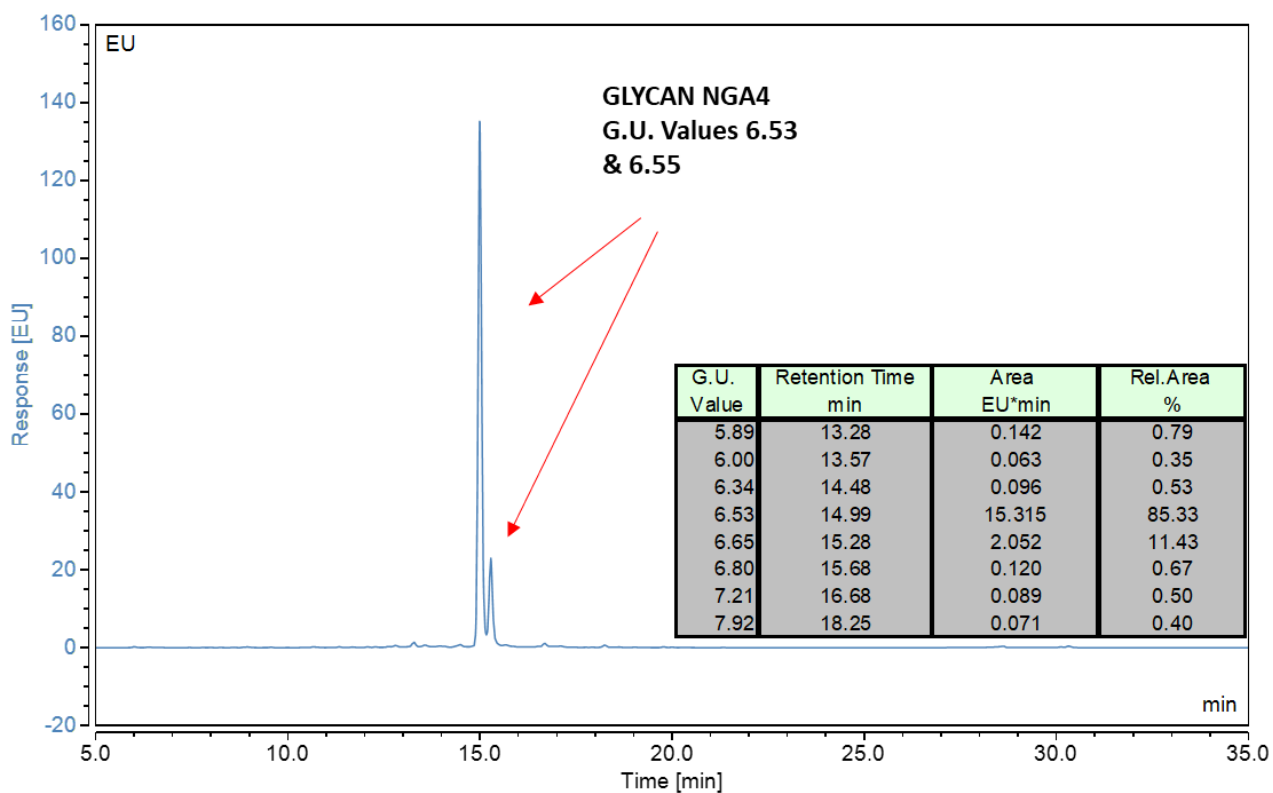


Figure 1: HILIC HPLC profile of 2AA labelled NGA4 glycan (see method conditions below) (Cat. #: CAB-NGA4-01, Batch B81Q-03).

*NGA4 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 NGA4 peaks seen above eluted at 14.99 and 15.28 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

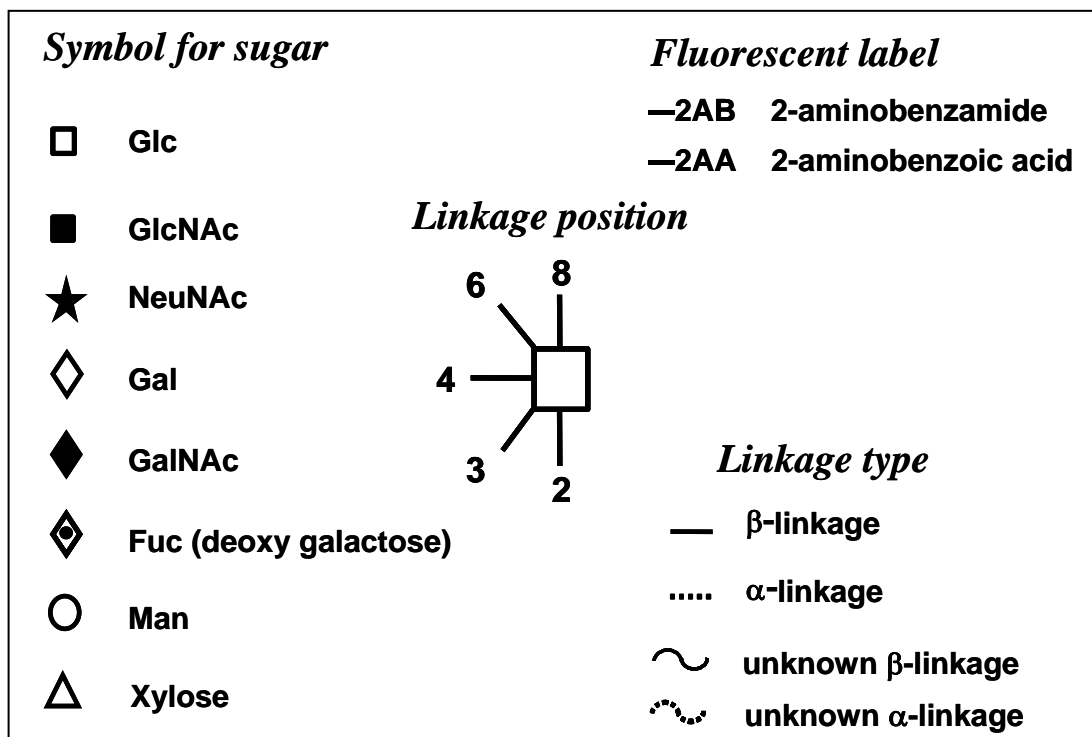


Figure 2: GlycoBase glycan structure key.