

Certificate of Analysis

LudgerPure™ 2AA Labeled NGA2F Glycan

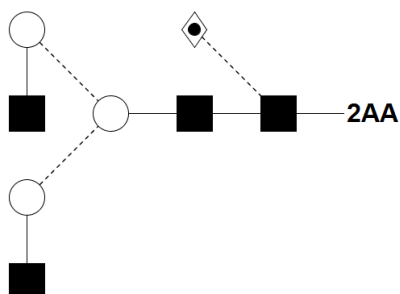
Cat. #: CAA-NGA2F-01
 Size: approx. 100 pmol

Batch: B493-03
 Expiry: 22 August 2024

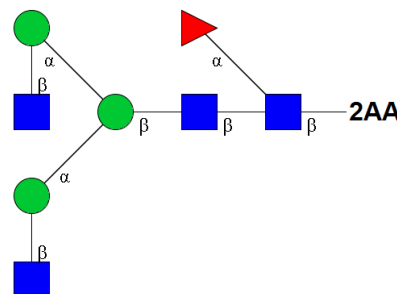
Alternative Names

FA2

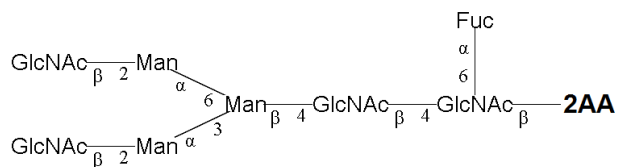
Structure



Oxford Notation



CFG Notation



Text Notation

Purity: 95.1% 2AA labeled NGA2F glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 121.8 pmols NGA2F glycan – Test performed 22 August 2024.

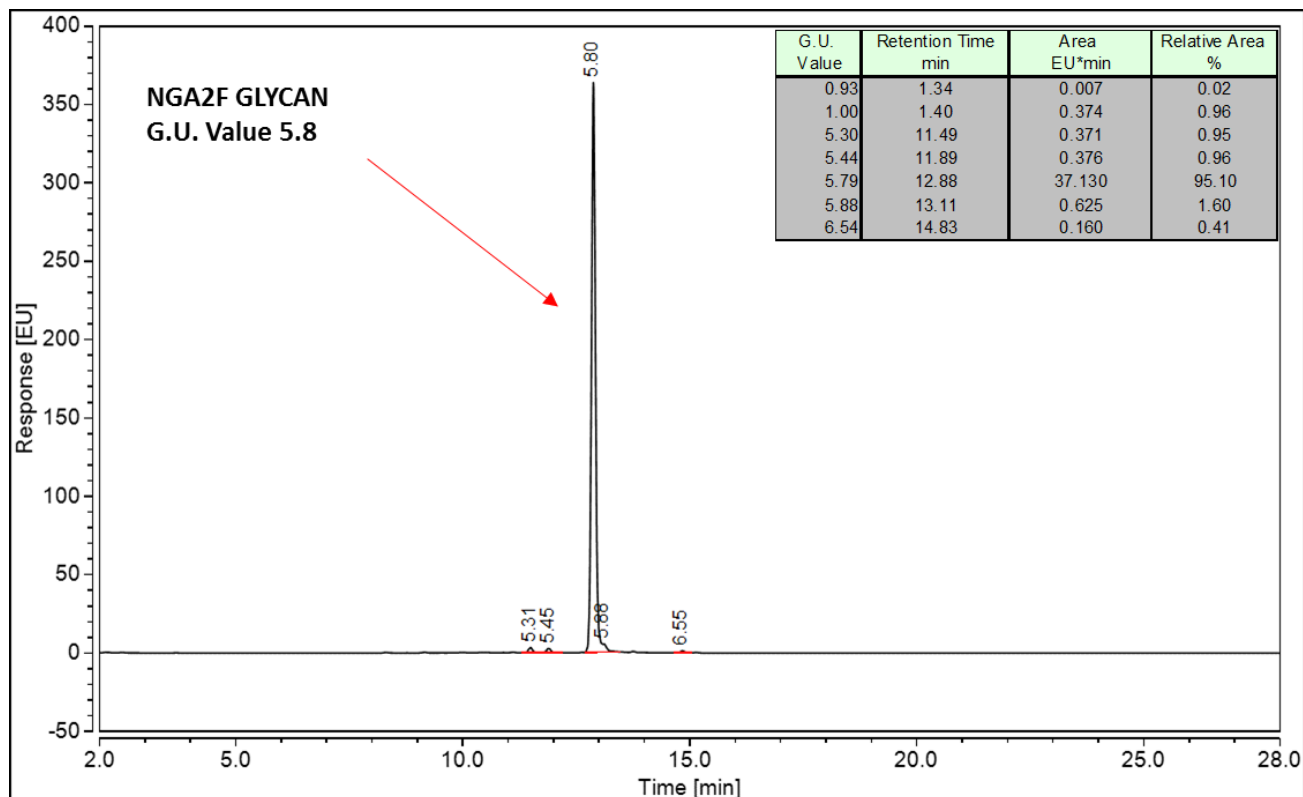


Figure 1: HILIC HPLC profile of 2AA labelled NGA2F glycan (see method conditions below)
(Cat. #: CAA-NGA2F-01, Batch B493-03).

**NGA2F 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 NGA2F peak seen above, eluted at 12.88 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

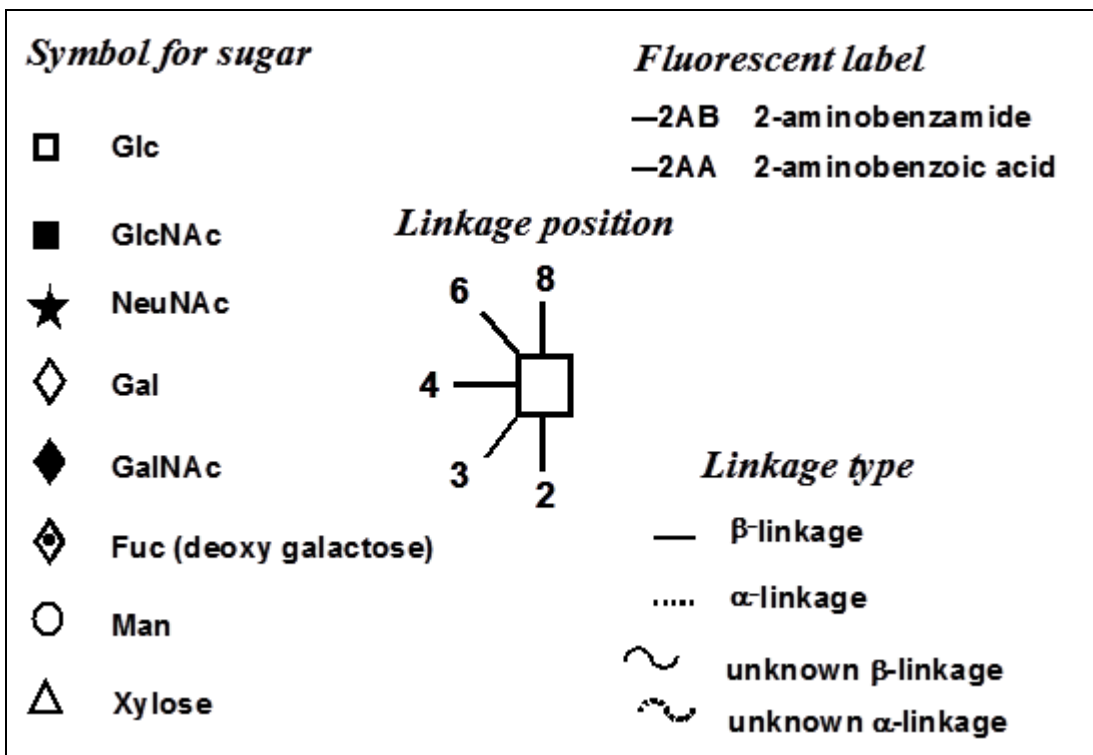


Figure 2: GlycoBase glycan structure key.