

## Certificate of Analysis

### LudgerPure™ 2AB Labeled NGA2F Glycan

Cat. #: CAB-NGA2F-01

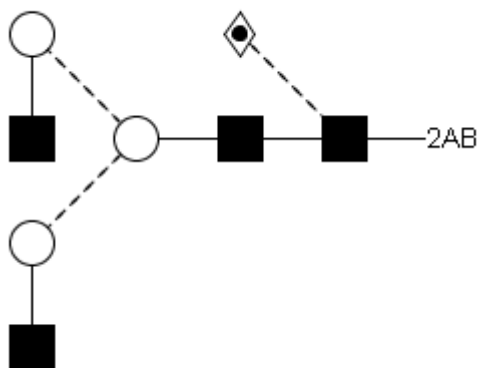
Batch: B5BQ-03

Size: approx. 100 pmol

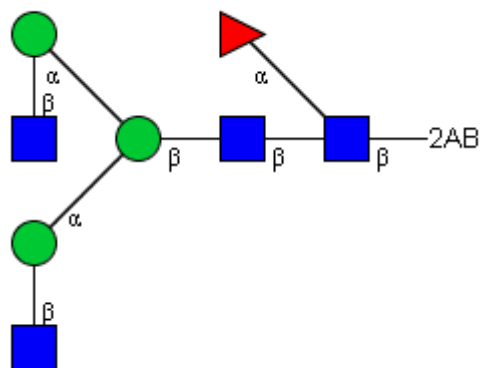
#### Alternative Names

FA2, G0F

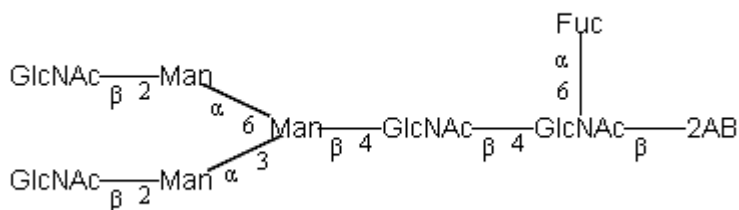
#### Structure



Oxford Notation



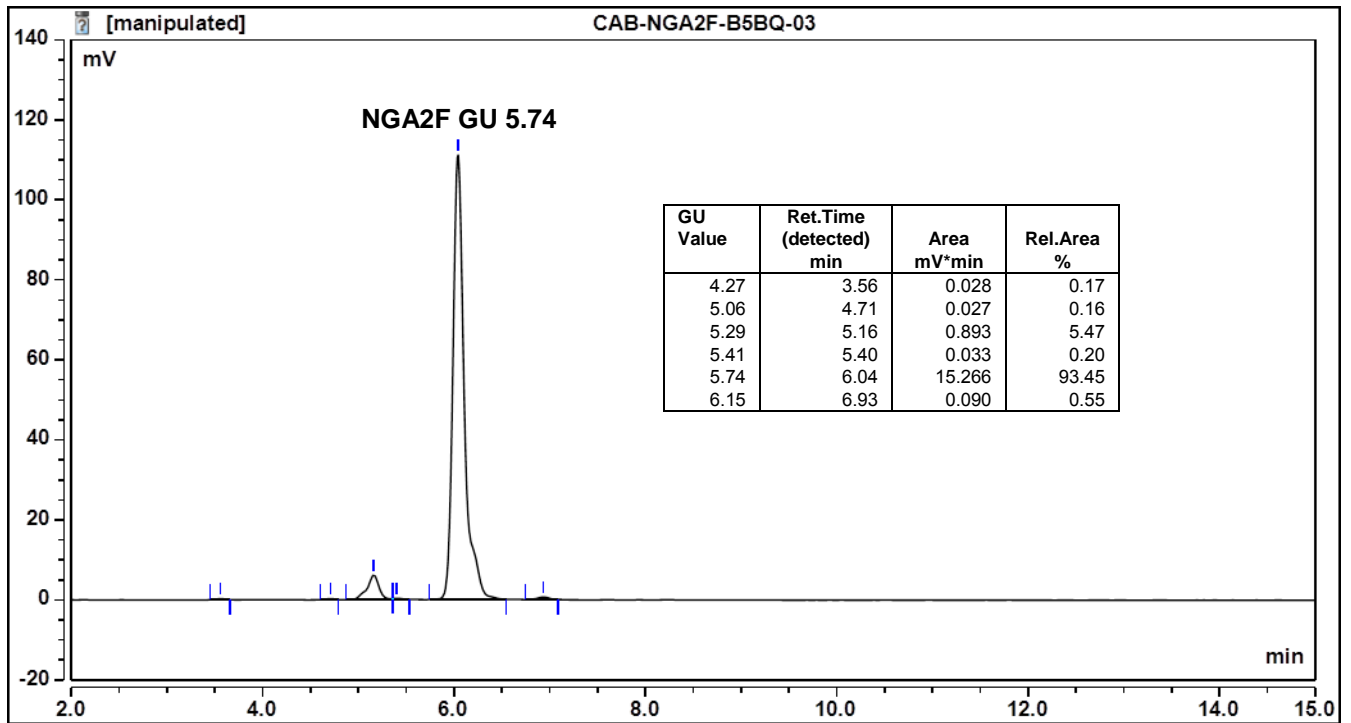
CFG Notation



Text Notation

**Purity:** 93.45% 2AB labeled NGA2F glycan, as assessed by HPLC - see Fig 1.

**Amount:** Sample vial determined to contain 90.5 pmols NGA2F glycan – Test performed 26 Nov 2015.



**Figure 1:** HILIC HPLC profile of 2AB labelled NGA2F glycan (see method conditions below)

(Cat. #: CAB-NGA2F-01, Batch B5BQ-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-AB NGA2F peak seen above, eluted at 6.04 minutes, under the following conditions:**

Column: Waters BEH Glycan 1.7µm column (150mm)

Flow: 0.4mL/min.

Temperature: 40 °C

Solvent A: 50mM ammonium formate pH 4.4      Solvent B: 100 % acetonitrile

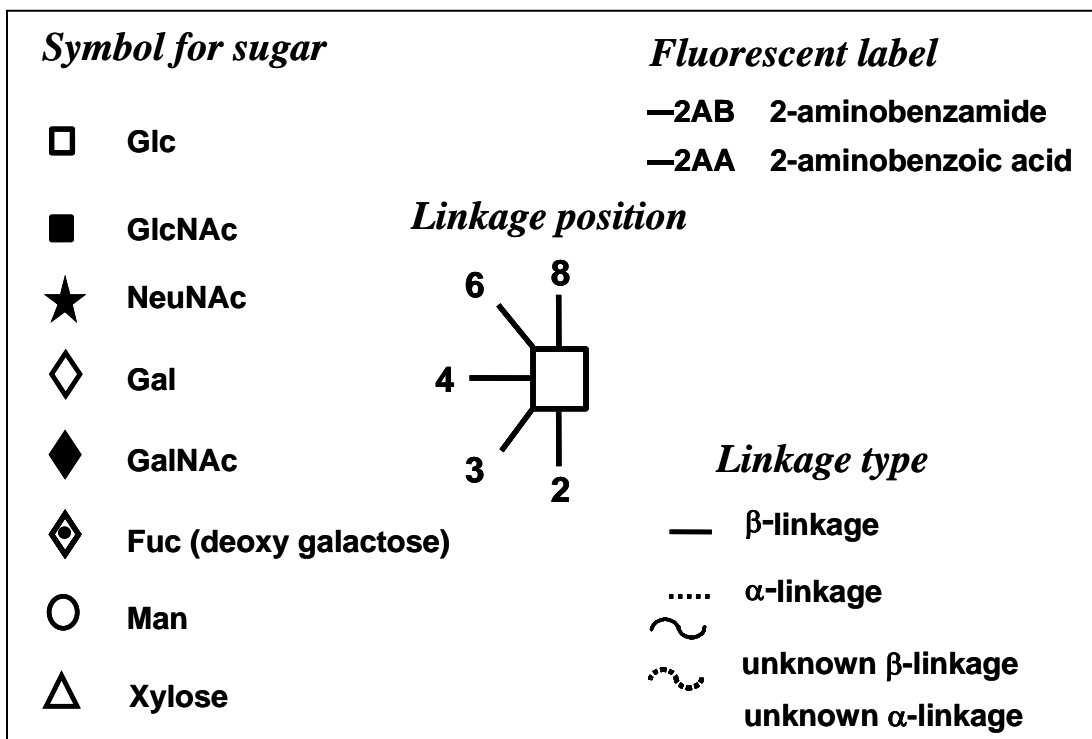
Gradient:

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.